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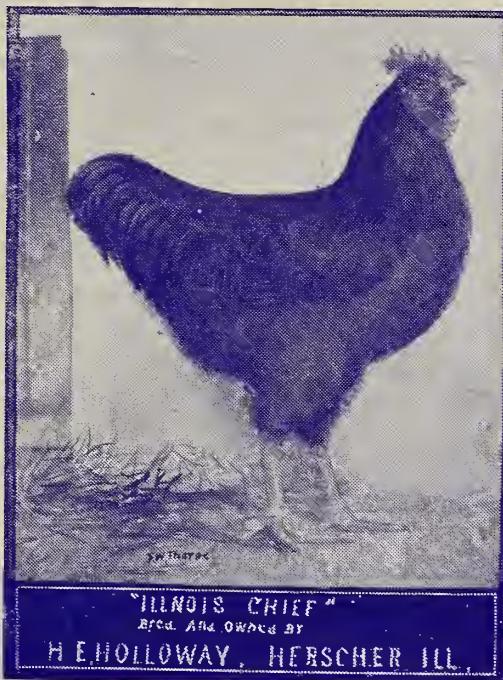
1913

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THE INDUSTRIOUS HEN

A MONTHLY MAGAZINE
FOR THE
COMMERCIAL AND FANCY POULTRYMAN



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THE INDUSTRIOUS HEN CO.
PUBLISHERS
KNOXVILLE TENNESSEE

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EGGS for HATCHING from PRIZE WINNING BARRED PLYMOUTH ROCKS Only PULLET MATINGS

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After 11 years with this best of all breeds, I am again shipping eggs for hatching at \$2.50 per setting of 15 eggs. This insures your getting some eggs from each of my carefully selected pens without paying fancy prices, and puts high quality chicks within reach of all. Orders promptly attended to. No circulars. \$2.50 per setting of 15.

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THE INDUSTRIOUS HEN 3 YEARS \$1

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**THE
"RIBBON STRAIN"
Barred Rocks.**

99 PER CENT. WINNER

Made the greatest win of the season at the great Richmond show. Six entered, five placed—first, second, third hen, third cock, fourth pullet. These Barred Rocks are bred on the farm of

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H. M. GAINES,
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**MEYER'S CHAMPION STRAIN OF
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Have won in hot competition in the following shows: Madison Square Garden, New York; Cedar Rapids, Iowa; Oklahoma City, Oklahoma; Illinois State Fair, and Hamilton, Ohio. Won at Hamilton, in November, 1st cock; 4th hen; 4th cockerel; 2d pullet and 2d pen. Every bird was a winner. Silver cup for best Black Langshan cock. I will sell my eggs at a very reasonable price, \$2.50 per 15; \$4.50 per 30; \$7.00 per 50. Cannot furnish over 50 at one time. Write for free circular.

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The two great utility fowls—R. and S. C. R. I. Reds from Langford & DeGraff strains and I. R. Ducks from Ballard's 225-egg strains.—Eggs from each \$1.20 for 13, 26 for \$2, 50 for \$3, 100 for \$5 for balance of the season. J. T. BYNUM, Dyer, Tennessee.

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Eggs for sale from as fine birds as can be found anywhere. These birds won everything in their class at the 1911 and 1912 Chattanooga shows. For further information, write JAKE M. BROWN, H. P. Route 1, Chattanooga, Tenn.

White and Columbian WYANDOTTES

We duplicate all infertile eggs. White and Columbian Wyandottes, Single Comb White Leghorns, and Light Brahmans. We use trap nests. In business 30 years. Brahma eggs, \$3 for 15; \$5 for 30. The other varieties, \$2 for 15; \$6 for 50; \$10 for 100. Address MICHAEL K. BOYER, Box, 26, Hammonton, New Jersey.

S. C. White Leghorns

Eggs for hatching from S. C. WHITE LEGHORNS and RHODE ISLAND REDS, from vigorous range raised birds, \$1.50 to \$3.00 per setting. WHITE INDIAN RUNNER ducks, fine type; pure white eggs, price \$3.00 per setting. A square deal to all. O. M. HENDRICKS, . . . SELMA, ALA.

S. C. RHODE ISLAND REDS

Our yards contain winners at twelve shows in four states, including such shows as Memphis, Birmingham and Huntsville. Eggs from best pen, \$3.00 per 15; eggs from other good pens, \$2.00 per 15. Stock for sale.

BALLEW BROS., R. 2, New Decatur, Ala.

S. C. Buff and White Orpingtons**BARRED ROCKS**

Eggs for hatching from high scoring, prolific laying fowls in all breeds. \$2.00 to \$3.00 for 15. Mating list free.

C. A. MOXLEY, Box H, Taylorville, Illinois.

Winners at Boston, Chicago, Montgomery, Atlanta, Cleveland.

BEST FOR LAYERS **RAINBOW** **BEST FOR TABLE**
PARTRIDGE ROCKS
THE ROCKWOOD FARM, BOX T NORWALK, OHIO

Nature's Food
FOR CHICKENS, LITTLE CHICKS, PIGEONS
The Macmore Wild Grass Seed Mixture.

This is an ideal feed for chickens, little chicks and pigeons, and all birds in captivity should have it. It means a reduced feed bill, healthy birds, large squabs and large chicks. Send for free sample. MACMORE SQUAB FARM, 408 Commercial Building, Louisville, Ky.

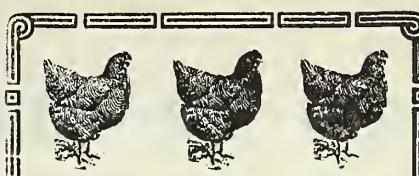
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will positively cure the gapes. If it does not will return your money; 25c and 50c cans by mail. Circular free. Agents wanted.

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W. H. DORAN, Brandenburg, Ky.

Eggs from a fine strain of Single Comb White Leghorns. Write for prices.

**Twice Cold Cales**

Funny Sayings of Funny People

Keep at It.

One step won't take you very far;
You've got to keep on walking.
One word won't tell folks who you are
You've got to keep on talking.
One inch won't make you very tall;
You've got to keep on growing.
One little ad. won't do it all.
You've got to keep them going.
—The Novelty News.

"Sawtuh Perculia."

"You are charged with stealing nine of Colonel Henry's hens last night. Have you any witnesses?" asked the judge, sternly.

"Nussah!" said Brother Jones, humbly. "I s'pecks I'se sawtuh perculia dat uh way, but it ain't never been mah custom to take witnesses along when I goes out chicken stealin', suh."—Central Law Journal.

Rotten.

"Sir," asked the lay poet, "did you read my 'Ode to an Egg?'"

"It wasn't an ode," returned the editor. "It was an odor."—New York World.

An Iowa girl secured a husband by a message written on an egg. Even matrimony is becoming something of a shell game.—Ex.

A man in Michigan swapped a horse for a wife. An old bachelor acquaintance said he'd bet there was something wrong with the horse, or its owner would never have fooled it away in that reckless manner.—Ex.

"Love Will Find de Way."

"And you like chicken, Sam?"
"Gee! Ah certainly does, boss."
"And you get 'em once in a while?"

"Oh, sure, boss. Ah gets 'em."
"How do you get 'em, Sam?"
"Well, boss, you know dat ol' sayin', 'Love will find de way.'—Yonkers Statesman.

"I am going to put some white in the yolk," said the young lady, referring to her gown.

"Won't that scramble it?" inquired the young man.—Chicago Tribune.

White WYANDOTTES

A few choice pure WHITE WYANDOTTE cockerels at right prices. Very vigorous stock. J. G. ROBBINS, Mayfield, Kentucky.

S. C. WHITE ORPINGTONS

A few choice cockerels. Sired by Blue Ribbon Birds, at close figures. S. C. WHITE LEGHORNS Standard bred. Eggs for hatching. Write us for prices. ALABAMA POULTRY CO., Pine Level, Ala.

White Wyandottes

We breed only the best—the quality kind, both in exhibition and laying. Stock and eggs for sale. Write for prices.

SOUTHSIDE POULTRY YARDS,
Box 75, Lithonia, Ga.

OYSTER SHELL, 5c a 100 Lbs.

A 5-pound package of our Prescription No. 4 contains more egg-shell material (available lime) than a ton of oyster shell. Its use makes eggs a certainty. 5 pounds \$1.00; sample 5c.

NABOB REMEDY CO., Box 23, Gambier, Ohio.

HOW YOU CAN WIN IT WITH**\$100 Watson's Bred-to-Lay Reds**

Golden Princess laid 291 eggs in a year, others 180 to 270. Wm. Loynd, of Mass., got 240 eggs from my strain. Cockerels and eggs. IRA P. WATSON, Box 20, Fredonia, N. Y.

Champion Anconas

Winners at Madison Square Garden, N. Y., Augusta and Columbus, Ga. Write for prices. Satisfaction guaranteed.

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We are prepared to fill all orders from poultrymen for printing. If you want your work illustrated we have the cuts. Write for prices.

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617 Gay St., Knoxville, Tenn.

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SPECIAL PRICE ON EGGS
FROM 4 QUALITY PENS

3 from Yard 1.....	\$10.00 per 15
4 from Yard 2.....	8.00 per 15
4 from Yard 3.....	5.00 per 15
4 from Yard 4.....	2.50 per 15

For 30 days, \$5.00 per 15.

HARRY CALLOCOTT, B. III, Coldwater, Miss.

S. C. Black ORPINGTONS

ONE BREED ————— BRED RIGHT

Write for my illustrated mating list, describing my different pens. It's free.

J. W. STEPHENSON, Decatur, Georgia.



EVANS'
S. C. Buff LEGHORNS
No better blood in the South.
Winners at the big shows.
Can fill orders promptly.
Fawn and White Runner
Duck eggs, \$1.50 for 12.
Write for circular.
W. W. EVANS, 1411 14th St.
Nashville, Tennessee

DUMARESQ BUTTERCUPS

Famous all over the country. Winners of many ribbons. Send eggs to England, Canada, Cuba and California. My matings are very fine this year. Testimonials of pullets laying in 124 days. Send for circular. MRS. J. S. DUMARESQ, Cato's Hall, R. 5, Easton, Md. Vice-President American Buttercup Club.

Silver Wyandottes

The Beauty and Utility Breed.
STOCK ALL SOLD

My birds are among the best in the South. I have a limited number of eggs for sale at \$1.50 per setting.

W. M. HARRIS, Johnson City, Tennessee

Landis Crystal White Rocks

Have won the blue at both Indianapolis shows this winter. Eggs from fine selected matings at \$8.00 per 15, also eggs from utility stock at \$8.00 per 15, or \$10.00 per 100. Try me with one order; I will treat you right. None better; 21 years a breeder. Order from this ad.

JOHN LANDIS - - - Edinburg, Indiana.

ENGLISH PENCILED (CUMBERLAND) AND FAIRY-FAWN-CUMBERLAND

INDIAN RUNNER DUCKS S. C. WHITE LEGHORNS

Stock and Eggs for sale from First Prize Winners at Southern International Show, Atlanta, December, 1912. RESTHAVEN POULTRY FARM, F. O. ALEXANDER, Owner, Box L. C., College Park, Georgia.

White Wyandotte EGGS for SALE

From heavy laying Fishel stock. One pen mated to cockerel and 5 hens, and one to cock and 5 pullets—laying since December. Beautiful, healthy, thrifty birds. Eggs \$2.50 per 13; also a few handsome cockerels at \$2 each.

MRS. ELLA M. HARRISON, College Park, Ga.

GOLDEN WYANDOTTES

America's Famous Prize Winners at Indianapolis and other shows. Also Black Wyandottes, Silver Campines and Buttercups. Get the best. Booking eggs. Mating list free.

JONES' POULTRY FARM, Alexandria, Ind.

ANCONAS

1st prize winners, 1st cockerel, 1st hen, 1st pen. Eggs \$1.50 per 15; Indian Runner Ducks, Fawn and White; 1st pen prize winners at Sevierville show, 1913. Eggs \$1.00 per 13.

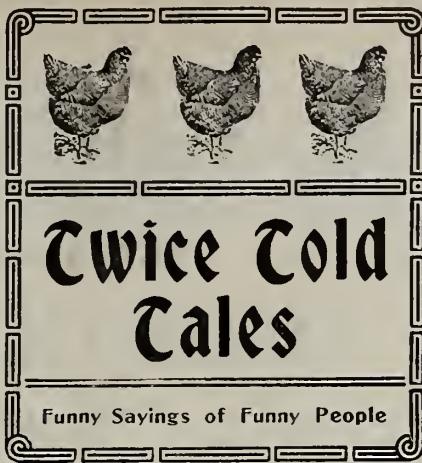
P. J. WARD, R. 17, Sevierville, Tennessee.

S. C. Buff Leghorns

EXCLUSIVELY

Nothing in my pens but the best, as proven by my winnings the past season. True Leghorn type and even color. Eggs, \$2.50 per 15.

J. WIRRON WILLSON, Spartanburg, S. C.



Twice Cold Cales

Funny Sayings of Funny People

Not Unlikely.

"Well, my boy," said the visitor to Bobby, "I suppose some day you expect to step into your father's shoes?"

"Oh, I suppose so," said Bobby, gloomily. "I been wearin' out everythin' else he wears since mother learned how to cut 'em down for me."—Harper's Weekly.

Muddled.

Mrs. Youngwedd (to caterer's boy)—"Oh, this is the chicken salad my husband ordered. Heres the money for it, and now you must tell me how you make it."

Boy (puzzled)—"I can't tell you how it's made, mum."

Mrs. Youngwedd—"But you must; my husband told me when I paid for it to be sure to get the receipt."—Ex.

"My mission in life is to save young men," said a serious young minister at a dinner party.

"Good," said the girl beside him. "I wish you'd save me one."

I went into a restaurant and asked for some pork and beans. They brought me a large plate of beans, but I couldn't see any pork.

"Where is the pork?" I asked.

"There it is, behind that bean," replied the waiter.—Poultry Tribune.

A Georgia man whose wife swallowed poison through mistake sat down and hastily wrote the following message to his city doctor:

"Dear Doctor: My wife is at the door of death. Please come at once and see if you can pull her through."—Ex.

"I see," said the guinea pig, timidly, "that they say you are the cause of the increasing cost of eggs."

"Yes," responded the hen, wearily, "they're following the same old rule—when anything goes wrong, always blame the woman."—Ex.

Rufus Red Belgian Hares
Thoroughbred—Pedigreed
Buff Orpington Ducks
All Varieties Indian Runner Ducks
Sicilian Buttercups—S. C. White Leghorns
Stock for sale. Eggs in season.
WHITE EGG POULTRY FARM, Manassas, Va.

Blue ANDALUSIANS

Two high-class breeding pens for sale at \$25.00 and \$15.00 each. Hatching eggs balance of season at \$3.50 per 15. These birds are bred direct from Madison Square Garden winners and are blue ribbon birds, Atlanta, Ga., Dec. 1912. J. McD. GAMEWELL, Fancier, Newry, Oconee County, South Carolina.

S. C. RHODE ISLAND REDS and WHITE WYANDOTTES

Eggs For Sale—\$3.00 per 15. My birds are good layers and blue ribbon winners. Sold one man 400 eggs in January and his hatch was more than 85 per cent good, strong, healthy chicks. Book orders now.

W. M. ROS MOND, : Lickens, South Carolina

WHITE LANGSHANS

"THE WORLD'S GREATEST UTILITY BIRD." Now booking and shipping eggs for hatching, from Three Special Pens. Order early. Satisfactory hatches guaranteed. No better blood in the country. Pen No. 1, \$3.00 per 15; pen No. 2, \$2.00 per 15; 50 eggs for \$5.00. Utility pen, \$6.00 per 100. Recognized authority on Langshans.

A. D. FREESE, Box A40, Mohawk Village, O.

White Diarrhoea!!

A guaranteed cure 25c.
J. C. Fishel says, "It does the work."
A sure preventive 25c.
A big box of both 40c.

NABOB REMEDY CO., Box 23, Gambier, Ohio.

S. C. BROWN LEGHORNS and R. C. REDS

Which have good color and are especially noted for being great layers. Eggs, \$1.50 and \$2.00 per 15, and a few nice cockerels at \$1.50 each. I guarantee satisfaction.

O. B. BEESON, R. 4, Kernersville, N. C.

SILVER SPANGLED HAMBURGS

None better in the South; rangers, layers and payers. I won all the 1sts and tied on grand sweepstakes pen at Sevier County Show. Three beautiful pens mated. Eggs, \$1.25, \$1.50 and \$2.00. Write me before buying.

W. E. WATSON, R. 5, Sevierville, Tennessee.

SAVE YOUR CHICKS!

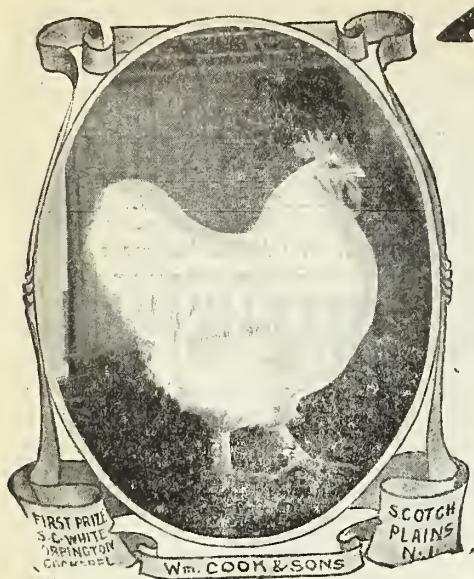
Poultrymen! Double your profits! Let our FREE booklet show you how to cure and prevent white Diarrhoea in incubator and newly hatched chicks! Write today.

SUCCESS REMEDY CO., Blevins, Arkansas.

S. C. BUFF LEGHORNS

Great layers and prize winners. Eggs, \$1.00 per 15. By parcel post, \$1.25. Circulars free.

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Box H, Edinburg, Virginia.



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ORIGINATORS

OF ALL THE

ORPINGTON FOWLS and DUCKS

Box H. Scotch Plains, New Jersey

Eventually, if after the best Orpingtons any variety, you will buy from their Originators. Why not now? and avoid loss and disappointment. Our guarantee of safe delivery and satisfaction is backed by a reputation of forty years' standing. This means much to you.

Send 10c for Illustrated Catalog, containing history of the Orpingtons and hints on poultry keeping. Mating Lis. now Ready.

Eggs from our 1913 winners and the finest Orpingtons in the world, including our first prize Madison Square 1913 Buff Orpington cockerel, \$20.00 a setting; three settings for \$50.00. Eggs from fine stock \$10.00 a setting. Several thousand stock birds always for sale.

Remember that Cook Orpingtons are recognized as the best, and if you can advertise "Cook Strain" it will add prestige to your stock and money to your bank account. Ask the people who own them.

We have won cup for best display of Orpingtons at every show where we have exhibited this season. See our winnings in Mating List. Advice free. Inspection cordially invited.

PARKWAY Stands for RELIABILITY

SILVER PENCILED ROCKS
PARTRIDGE ROCKS
SILVER CAMPINES
S. C. WHITE LEGHORNS
S. C. BLACK LEGHORNS

RELIABILITY AND PRICE go hand in hand, for price means nothing without Reliability. The keynote of our reputation is HONESTY. We have all we claim, and a little bit more. We do everything we agree to do. Let us show you.

EGGS

WE DON'T CARE
who you are, or where you live,

WE DO CARE
for a share of your orders.

Chicks

Send for circular and list of winnings during season 1912-'13.

PARKWAY FARM, Barton T. Fell, Owner
J. F. MacKay, Mgr.

:- Route 12 :- TRENTON, N. J.

TAR HEEL BUFF PLYMOUTH ROCKS

BRED TO WIN

AND

BRED TO LAY

Winning in seven leading Southern shows in 1911, 1912 and 1913, more than twice as many first prizes as all competitors combined. Won 23 out of a possible 34 firsts.

Recent Winnings: Augusta, Ga., 1912—1st, 2d and 4th cock; 1st, 2d and 3d hens; 1st and 2d cockerel; 2d, 3d and 4th pullets; 4th pen. Atlanta, Ga., 1912—5th cock; 2d and 3d cockerels; 1st, 2d and 4th pullets; 2d and 5th pens. Charlotte, N. C., 1913—2d cock; 1st, 2d and 3d hens; 1st cockerel; 1st, 4th and 5th pullets; 2d pen; specials.

Eggs for sale, \$3.00 per 15. Mating list and catalogue now ready.

J. G. ASHE, BREEDER :: RALEIGH, NORTH CAROLINA

THE INDUSTRIOUS HEN

Vol. 9

Knoxville, Tenn., April, 1913

(Whole No. 107) No. 11

How A Non-Standard Breed Won Enthusiasm, Organization and Push Succeeds

By OSCAR F. SAMPSON, President of the Indian Runner Club
of America, Youngs, New York

FOR TEN years, breeders of English, Fawn and White Indian Runner ducks worked without a Specialty Club in America. Many breeders have bred them for a matter of eggs, feathers and their beauty; but only a few of the many breeders were in earnest, or enthusiastic enough for their breed to take the special pains necessary to advance their

breed. In fact, if any breeder had one year ago been so enthusiastic as to claim our 1912 shows would have proven English, Fawn and White Runners superior to any others, he would have been considered a joker.

But the past two years we have seen a wonderful advancement of this breed, and with this advancement was an evident lack of organization and Standard, or show rights. Every breeder is well aware of one strong fact, viz: the value of the breed depends greatly upon its place in our poultry Standard, or the American Poultry Standard. A breed may lay eggs if not in the Standard, but unless it has a show record its value is much lessened.

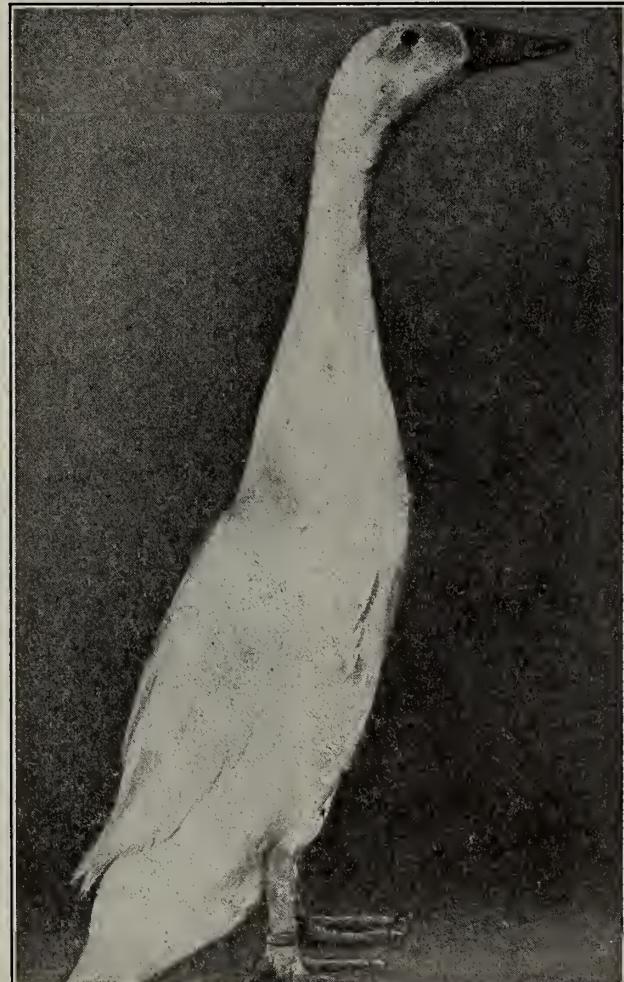
The English Runner was a welcome show bird in England, but not in America. In fact most breeders and nearly every show and judge considered this breed barred from the show by our 1910 Standard. Early last winter the writer and five or six other breeders of this fowl began organizing a Specialty Club for this fast-proving popular duck, the object being to secure its entry in our Standard of Perfection, and to give it its rights in the show room and out. While many breeders had bred English Runners in the United States for several years no efforts had been made along this line. Hence we had no Standard, no show rights, and no organization. In a few shows these birds had been refused entry by the show or the judge on the grounds "that they were not a Standard bird." They could be "exhibited" for show only, but would not be entitled to compete for prizes, etc., in the show.

Thus on April 4, 1912, "The English Indian Runner Club of America" was started with 13 (mark that 13) members with the idea of placing this breed where it was by right entitled. The first problem was a Standard, and we found there was not a single clause in the 1910 American Poultry Standard to debar these birds from

competing with the American Runners; in fact, there was one clause in the Standard requirements that if rigidly enforced by any judge would insure the English Runner winning over any other Standard Runner.

While the club endorsed the "English Descriptive Standard" so as to have an international Standard, several of our club members entered the early 1912 winter shows in competition with the other Runners on the present Standard, and instead of being debarred from the shows, they won at Chicago. One of our members entered 20 birds in English, Fawn and White classes. His record was: 1st, 2d, 3d cock; 1st, 2d hens; 1st, 3d, 4th cockerel; 1st, 2d pullets, and 1st, 2d pens. It will thus be seen he won every first and all seconds but one, and a total of 91 points. He only lacked a few points of getting the \$50 silver cup offered by the Water Fowl Club for display and the one winning it had 14 varieties to beat him. Some class! And it's the first year English breeders have shown. On top of this amazing victory at Chicago and two Eastern shows stands the following from so prominent a party as Artist Sewell: "It (Chicago) was the best showing of English Runners I have ever seen in America, and as good as I ever saw in England."

Thus victory has been taken from a handicap this breed has always had here, by the efforts of a new club less than 8 months old. Our hard knocks are over and now we are getting breeders in bunches to join us. When three months old our club had 17 members, and at five months of age had 32 members. Now we have 60 members, and are still only eight months old. On our first anniversary we will reach the 100 mark. Few specialty clubs will have a better record. If every farmer, poultryman, breeder and judge knew their egg qualities and the future of English Runners, there would be no limit to



An exact reproduction of my Imported White Indian Runner Drakes; imported direct from England. I have a flock of these birds similar in style and carriage, possessing the best Runner blood of England. W. O. Brownfield, Opelika, Ala.

the price or profits in the stock of genuine white egg English Runners. The club member who won at Chicago refused an offer of \$500 for his first prize pen of five birds, and yet some few writers have claimed there was no sale for English, Fawn and White Runners. The next five years will see amazing profits in this breed, and now is the time to get going. None but pure white-egg birds should be secured and bred for fancy or utility.

In view of the fact that some writers have contended that only American Fawn and White birds can win under

the Standard, it may be well to say in closing this article, that such is not true by any means and past show records are the only proof necessary. Two years ago the English Indian Runners won at Madison Square, New York, and they have won in competition at Chicago before that date, and since. They have also won at several smaller shows.



Twin Beauties of H. E. Holloway, the R. I. Red Breeder of Herscher, Illinois

These facts are open for any one to find out for themselves, regardless of what any one may say. It is often easy for any one to be mistaken, and it's quite as easy to find some who use almost any kind of argument to fit their case. It will not always be so easy in the future. In 1911 the young drake, winner in Grand Central Place, New York, was an English Runner, and the same year the drake at Madison Square Garden that won the praise of the judge (and also ribbon and prize) was an English Runner. Of this drake the judge is reported as saying, "He was the most typical Runner of any variety he had ever seen." The same year an English Runner won 1st drake at Scranton, Pa., and Bethlehem, Pa. Why anyone should try to get around these facts for any selfish purpose is certainly a puzzle, especially since this variety won at Philadelphia the past winter in competition.

Government's Egg Expert a Woman

Investigations of two of the world's most commonly used foods—eggs and poultry—have established Dr. Mary E. Pennington's reputation as an expert of the United States Bureau of Chemistry, popularly called the pure food bureau.

Dr. Pennington, who is chief of the Government's food research laboratory at Philadelphia, is one of the highest salaried women under civil service, and is the only woman who has been placed in charge of one of the research laboratories used for pure food investigations.

She receives a salary of \$3,000 a year, and has a corps of fifteen assistants. This position has been won after seven years' hard work for the Government, Dr. Pennington having been appointed a bacteriological chemist in the Bureau of Chemistry in 1905, after taking her post-graduate degrees from the University of Pennsylvania. She was promoted to her present position four years ago.

She is making studies of eggs and poultry, not with a view to increasing the volume of these farm products, but in regard to improved methods of conservation of these articles of food by better handling and refrigeration.

In her opinion, better methods must be adopted in the handling of poultry and eggs to protect the nation's food supply, to give more profits to the farmer, and to give the consumer an improved grade and a more wholesome product at a reasonable price.

According to Dr. Pennington, careless handling and ex-

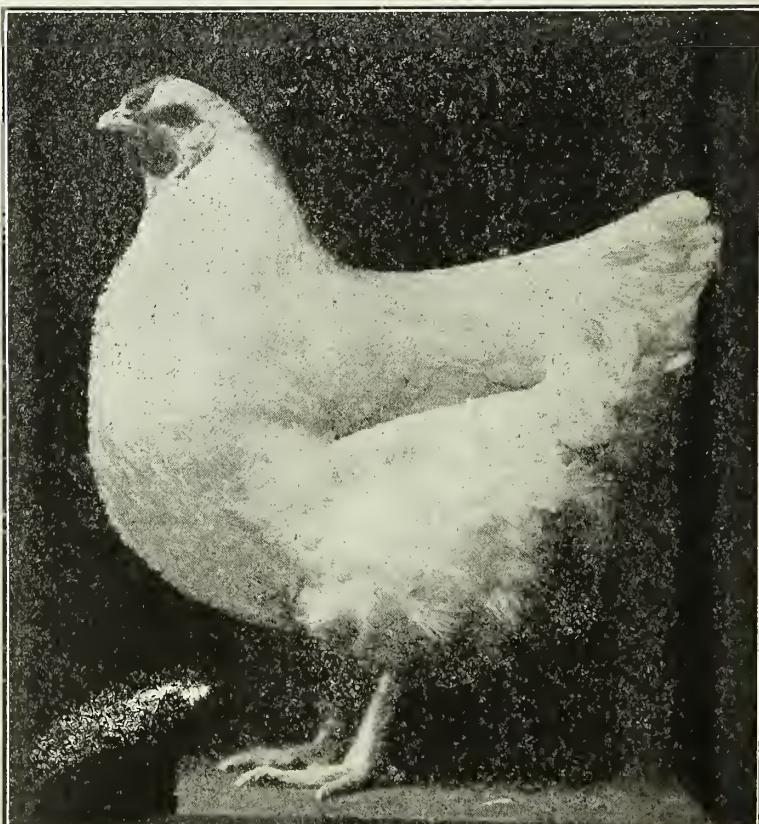
cessive waste make the public pay high for an inferior product. A revolution in the industry of producing eggs will be brought about and the product much improved if the shippers who gather eggs will follow the Government expert's suggestions to buy by quality and not by count.

The woman investigator estimates that nearly half a billion dollars are spent for the eggs which are eaten by the people of the United States each year, the farms producing more than 82,000,000 cases of thirty-six dozen eggs each. In New York alone nearly 5,000,000 cases of eggs are used each year, and the number eaten annually by each person is more than 32.

Saving Chicks from Death in the Shell

HUNDREDS of people write to know why the chicks die in the shell from the eighteenth to the twenty-first day. We will state that it is usually caused by lack of vitality in the breeding stock; sometimes it is caused by insufficient moisture, which causes excessive evaporation of the egg, and it so happens that the chick lacks bulk, and the chick may kick and move around and yet be unable to bring the necessary pressure against the shell to make the first small opening, and when it does, the inner lining of the egg dries on the chick so it is unable to turn sufficiently to break the shell the remainder of the way around. Sometimes we have too much moisture, and the chick becomes so large that it is cramped for room, making it impossible for them to crack the shell. Sometimes a poor incubator, or one which has not been given the proper attention, will cause the temperature to vary to such an extent that it will be first hot and then cold and weaken the germ so the chick dies before it is able to free itself from the shell.

You can save many of the chicks which die in the shell after the time has passed for the eggs to hatch. If you find an egg that shows signs of life or one that has been pipped, and the chick seems unable to free itself from the shell, break the shell where the chick has started to pip, and pull away enough of the shell and membrane or inside lining of the egg until the chick has room enough to straighten out its head and neck. Leave the remaining two-thirds of the shell around the chick and place it back in the incubator or under the hen, and nine times out of ten the chick will get out of the shell, dry off nicely and live and do as well as many of the others. Sometimes, after removing one end of the shell, if you wrap a dampened woolen cloth around the other, it will cause the chick to sweat and will come out nicely. If the chick is crippled and has been ruined by poor incubation, of course, getting it out of the shell will be of no benefit, but if it is perfectly formed many of them can be saved in this way.—From the Poultryman's Guide.



Rose Comb White Orpington Pullet, Showing Type. Bred in Conaville Poultry Yards, Mallet Creek, Ohio.
S. P. Porter, Proprietor.

Woman's Place in the Poultry Industry

By E. H. DePOY, VanBuren, Indiana

"If thou wouldst hear what seemly is and fit,
Inquire of noble women."



BEAUTIFUL sentiment. Yea, and more than sentiment—a truth as broad as eternity and as deep as a woman's love. Idolized in poetry and song, the subject of the inspired eloquence of the world's greatest orators through all the ages, words have failed to give a fitting expression to woman's place in the affairs of the world. From the very moment that God announced the existence of

enmity between woman and sin, she has been the majestic force that has led the world in its battles for the supreme enthronement of purity and virtue in the hearts and lives of men.

"They talk about a woman's sphere
As though it had a limit.
There's not a place in earth or heaven,
There's not a task to mankind given;
There's not a blessing or a woe,
There's not a whispered yes or no;
There's not a life, there's not a birth,
That has a feather's weight of worth,
Without a woman in it."

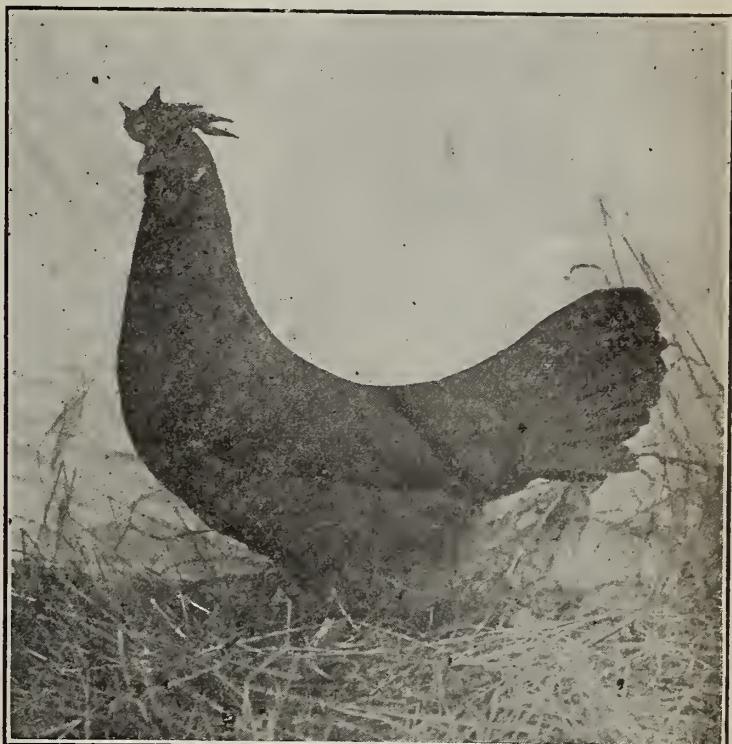
But what, you ask, has all this to do with woman's place in the poultry industry? And we answer that the very presence of a true woman is a poignant rebuke to sin and graft and greed, and seeks to dispel from the ranks in which she moves all that is unseemly and unchaste.

The poultry industry as we have it today, is a vocation characterized by its integrity and justice, made so by the presence of woman. Robbed of her refining influence and chaste restraint, who can say that this most honorable and remunerative profession, with which woman is so closely and successfully identified, would not pass into the control of those of selfish and sordid ambition, and cease to become attractive and profitable to the great masses who, by united effort and honesty and sincerity of purpose, have made of it the greatest of all branches of agricultural pursuits?

Woman's place in the realms of poultry culture has been established. She has been successful, even in greater measure in many instances, than her masculine rival, both in the markets and in the show rooms of this country and in other countries. It is her sphere. It is the companion industry to the establishment and preservation of the home; both are at once guided by "the hand that rocks the cradle and rules the world." The gentleness that leads the child in wisdom's ways is equally essential in the handling of the flock that is expected to contribute liberally of

the greatest food that nature has provided or that science has produced.

Man has not been dilatory in proclaiming from the house tops that "woman has no business judgment," and that she should withdraw from the marts of trade. But frail man must descend from the pinnacle of his egotism and look to his laurels. Woman has not entered the busi-



S. C. Brown Leghorn Hen. "Edna," First New Orleans, Louisiana and Club Special for Best Hen. Club Special for Best Shaped Female, 1911. Bred, Owned and Exhibited by N. B. Spearman, Ida, Louisiana.

ness world from her own choosing; her motive in entering the unrestricted field of poultry husbandry is doubtless mercenary. With the average woman it is a question of pin money. For this state of affairs however, the honest man does not stand reproved, and this article does not seek to disparage his true worth. Many are the thoughtful men who have recognized that the prime factors in successful poultry culture are patience, perseverance and honesty, and that it is the possession of these essential attributes—so necessary to success in any field of endeavor—that has brought to woman the greatest measure of success in the poultry industry.

"Poultry keeping has solved the problem of an income for the women of the farms," says Mrs. Andrew Brooks; "most of these women were brought up on farms and thus gained in early life a knowledge of feeding and food values. They learned to make 'balanced' rations and the economical use of grains, milk and other products of the farm. And these things are among the first essentials of successful poultry culture. It is in these things that the country woman has an advantage, for many things she has unconsciously learned and she has a 'knowledge never learned of schools' that gives her a decided advantage over the inexperienced, city-bred woman. Besides, she has generally a love for the work, which is either natural or acquired, and this is of inestimable value."

May we not add that it is this "love for the work" that brings success in any undertaking? And may we not add further that woman possesses, in far greater degree than the ordinary man, the love for work, and devotion to duty that has made her so successful with poultry. We would not care to believe otherwise than that home-making is woman's first and most natural choice, but we must admit that this is an age of progress, and woman is seeking an avenue through which she may establish her independence, and in a great many instances she has turned her attention to the poultry industry.

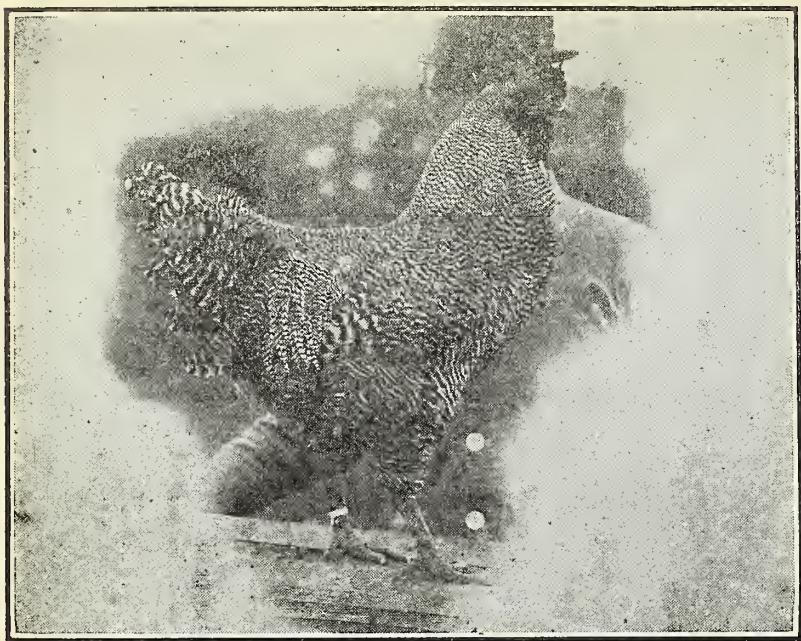
How true this portion of a poem pasted in our scrap



"Buff ORPINGTON DUCK"

Bred & Owned by J. H. LEWIS & SONS CADIZ OHIO.

1st Prize Buff Orpington Duck Pullet at Pittsburg, Pa., Jan., 1913. Property of J. H. Lewis and Sons, Cadiz, Ohio.



First Cockerel at Abingdon, December, 1912; Also winning Cup Special for Best Shaped and Best Colored Male. Bred and Owned by Wolf Creek Poultry Yards, Abingdon, Virginia.

book a number of years ago, the author of which we have forgotten:

"So great is the power of a woman,
If only her will is strong
She is mighty to fight and conquer,
(Though the struggle be dreary and long)
With the armies of pain and of sorrow,
If her soul be but pure and true,
There is nothing through all the ages
She has not been able to do."

We could name instances almost without number, wherein women of our own Southland and elsewhere have been eminently successful in the field of poultry husbandry. From meager beginnings to glorious victories in the leading show rooms; from a few eggs marketed to the huckster on the rural route to an annual income of a thousand dollars annually, and more, these achievements have established the supreme importance of woman's place in the industry that today leads all other agricultural pursuits.

We desire to repeat that the present position enjoyed by this great industry amongst all other great industries of the world is due to the refining touch of a woman's influence, for how true are these words of Goethe:

"If thou wouldst hear what seemly is and fit,
Inquire of noble women; they can tell
Who in life's common usage hold their place
By graceful deed and aptly chosen word.
Propriety as with a wall surrounds
Their delicate sense, which shrinks from forward touch,
And where rude handling is, no woman lives;
Ask both the sexes, both have one reply—
For freedom he, and she for chaste restraint."

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"Many a Truth is Told in Jest."

"Laughter—'tis the poor man's plaster,
Covering up each sad disaster—
Laughing, he forgets his troubles,
Which though real, seem but bubbles."

With all due deference and respect to our serious minded editors of the poultry press, I make the assertion that our journals are woefully lacking in humor. And it is my belief that in not catering to the American appetite for news and instruction to be sandwiched with a smile, they, the aforesaid editors, are neglecting a valid business proposition. Poultrymen (and women) are of the same clay as other mortals, and "a little nonsense now and then is relished by the best of men."

There comes to my desk monthly a little magazine called "Electrical Power and Transmission." Just how I came to be placed on their mailing list is a mystery and I have intended to inform them that my copy should go elsewhere, in their interest, but I have not done so, because there is not a page of this small journal, no matter how technical the subject or learned the treatise—but what the

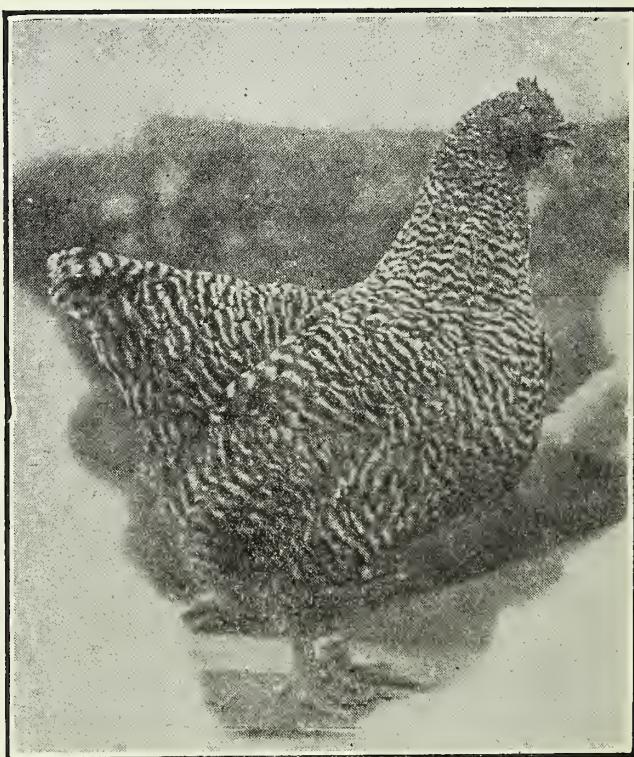
publishers find room at the foot of a column or in the southeast corner, for a humorous story or quotation. They don't even seem to think an occasional nonsensical limerick beneath their dignity. This technical magazine is published in the interest of a "Big Business." "Big Business" always has "method in its madness" and this "gladness" that they indulge in is not without method and design. If it did not pay to be "funny," it's a safe bet no jokes would be permitted.

Again did you ever note the newspaper readers in trolleys and suburban trains? If you have, you will have observed that in nine cases out of ten as they unfold their sheets, the first page they turn to, is the one of humor and illustrated jokes. It formerly was but a column or two, but these latter days practically an entire page is devoted to so-called "humor" by every great metropolitan daily, and almost every other page contains a series of cartoons. Do you imagine for a moment that these great papers, who keep their fingers on the public pulse, would sacrifice so much space if it didn't pay? True, the mission of a poultry journal is not to make us smile, but to help us work, not to excite our risibles, but stimulate our thought, but we must not forget that even pills are now sugar-coated.

"Many a truth is told in jest" and answering a fool according to his folly is often the best and kindest way to eliminate his foolishness.

We have many women in the poultry industry, and the poultry journal has among its subscribers and readers none so valuable to them as the Miss and Mrs. And it has been written that "women have no sense of humor," but I'll wager the man who wrote that was an old bachelor, who knew neither women or humor. I am willing to admit that there are some women who are only happy when they are miserable, but thank God they are an insignificant minority and are trouble breeders rather than breeders of chickens—and need not be considered. Then there are women who are more chagrined over the dirt tracked in by their husbands and sons than alarmed over moral delinquencies, but such women do not love poultry and wouldn't glance at a poultry journal. But if you imagine that the woman who is in poultry, either for herself or as some poultryman's junior partner, the woman who gets more pleasure from the perusal of the monthly poultry journal than she does satisfaction from the inspection of the fashion plates, is deficient in a sense or appreciation of humor, just try a little funny business with her and be disillusioned.

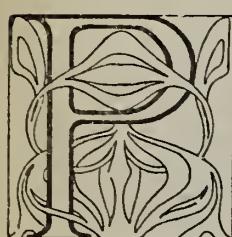
Live up your pages with a little humor and nonsense, Mr. Editor, and I'll guarantee, if you receive any protests against the innovation, they won't come from the women, but some man who has never smiled since some woman laughed at him.—J. H. Petherbridge.



First Hen at Abingdon, December, 1912; Also Special for Best Hen in the Show, all breeds competing. Bred and Owned by the Wolf Creek Poultry Yards, Abingdon, Virginia.

Some More Interesting Items for Poultrymen

By MICHAEL K. BOYER, Hammonton, New Jersey



POULTRY doctor is not a profession—it is a mistake. There is no need for medical science in the poultry yard—good methods and good common sense are better medicines than drugs.

Naturally, poultry are hardy, very hardy, but they must not be neglected. It is neglect that causes the many ills that fowls fall prey to. We would, therefore, rather talk of prevention

than of cure. In fact, we think the "poultry doctor" should know more how to avoid sickness than to cure it.

There is one sovereign remedy for contagion, and it will be found alike effective in all cases—it is a good, sharp hatchet. The man who tries to doctor contagion in any form is heaping up for himself a "peck of trouble."

But how can sickness be prevented? It must begin with the parent stock. All breeding birds must be strong and rugged. That will give the foundation. It cannot be expected that puny, inbred, pampered stock will produce healthy offspring.

Yet even with such a foundation there is no guarantee of hardiness if proper care is not given the fowls. That care consists of many things:

It calls for a sanitary condition of the houses; it means the best and purest of feed; it wants the stock kept in the proper condition; it rules that new blood must be introduced to avoid inbreeding; it points to regularity of care; it maintains that the stock must be kept active; it implies that the houses must be so constructed that plenty of ventilation will be admitted without allowing drafts; it orders generous sized runs—in short, it means keeping the fowls in a comfortable, happy state.

Poultry require fresh air both day and night. To keep them in close, tight-fitting pens, where they will sweat at night, is the easiest way to introduce weak constitutions.

To crowd twenty-five fowls in quarters built for fifteen head, is a very good way to grow idle, unprofitable, unhealthy stock.

To overcrowd growing stock is the surest method for producing runts.

To feed starchy, heating foods in summer is the best way to bring on overfat and indigestion.

To allow filth to accumulate in the houses is the way scaly leg troubles begin.

To dose fowls the moment they look "out of sorts" is an excellent method for bringing on ailments.

In brief, the work of the "poultry doctor" is not so



A Prize Winning Crested White Duck. Property of J. H. Lewis and Sons, Cadiz, Ohio.

much to cure as it is to prevent, and the man who knows how to keep hens in health is a much more valuable man on the farm than the one that knows of a remedy for every disorder that may arise.

There is no need to fear roup, or cholera, or any disease, if the proper sanitary rules are observed. Keep the fowls in the fresh air, but do not expose them to inclement weather. To drive them out in a storm is an evil equalled only by compelling them to exist an entire day in a hot, boiling sun.

To make them drink stale, filthy, warm water, is as unhealthful as to feed them sour, tainted food.

Common sense is better than a physic. Regular, proper care, beats all the doctor books.

Less fanciers and more poultry breeders are needed. The utility man need not entirely confine his work to raising eggs and poultry for market. It is perfectly legitimate for him to offer for sale eggs for hatching and stock for breeding from those utility fowls. The man who can produce large egg records, or good market breeders, will often be lacking in high scores in his flocks, but they will have a more worthy record than such which a poultry judge can give. The utility breeder selects his stock from among the best workers, and mates accordingly. The fancier mates according to the highest type of perfection, from an outside or ornamental viewpoint, regardless of utility qualities. It is plain that the one gradually increases the usefulness of his flocks, while the other lessens their value for eggs and meat. The first aim should be the utility qualities, and then breed as near the Standard requirements as it is possible without affecting the former. It is surprising how near, by that method, we can come to the claims of the Standard makers. Now it is easier to do that than to try to breed utility qualities into the exhibition fowl. Use common sense—breed utility fowls—remember that poultry was created for food and not for show.

The writer has always cautioned beginners to start in a small way and go slowly. It is always best to begin at the bottom round of the ladder and carefully climb to



Bluebell 2d. Score 95, by McClave. The unbeaten Ancona Hen of Ohio. Shown 9 times, she has 9 1st Prizes and many Specials to her credit, and now at the age of four years she has lost but $\frac{1}{2}$ point in color since a pullet. Bred by S. P. Porter, Mallet Creek, Ohio.



S. C. Rhode Island Red Pullet

seemed to lie most decidedly with the fowls fed cabbage, in so far as numbers, weight and cost of eggs were concerned. The eggs from the clover house were, however, much superior in cooking and eating quality to those from the other. Two housekeepers who tested the eggs, were most emphatic in the expression of their preference for the eggs from the fowls fed the clover. One of the housekeepers reported: "The eggs from the clover lot are in every way superior." The other said: "They are superior in color, size of yolk and flavor, and had the finest flavor of any she ever ate." Analysis showed the eggs from the fowls fed cabbage to contain higher percentages of dry matter, protein and fat than the others. The superior richness of these eggs apparently renders them strong in flavor.

In order to have success in poultry culture, it is necessary to give good diet and care. On those essentials hang our fate. There is no article on the market that is more stable than either poultry or eggs, so that it is not a question of getting rid of the product; and there is not a specimen of live stock that responds so generously to good treatment as does the hen. The fault or failure, every time, lies with the man. A good house, and grain given regularly, do not mean all that must be done to give the hen fair play. There are details, probably only small matters that would be considered by many unnecessary, that count for much. Good diet means a variety in the bill of fare; and good care means cleanliness and regularity.

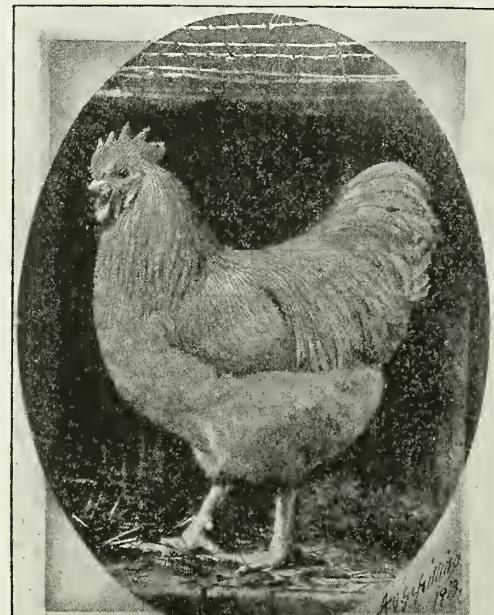
It is always seasonable to cull out the undesirable birds from a flock. All hens that have passed their term of usefulness should be marketed. While culling should be continued throughout the entire year, the most heroic work should be done in Fall. What we call yearlings in poultry are those which were hatched the year before the pullets. They are nearer two years old than one, and make excellent breeders. After breeding, pick out of this flock such as are considered unprofitable. What we call the two-year olds are the ones that are going into their second moult. Very often some excellent layers are found among these, and it pays to keep such, but at that age the closer we cull the better will be our profits. This culling, however, can only be successful by close watching. No matter how valuable a hen may be, if she proves to be a feather-puller or an egg-eater, she, too, should be sent with the lot of culls to market.

the top. Men who begin and go in that style are the ones who generally succeed. It may seem easy enough to manage several hundred hens, and so it is for a man of experience, but the beginner must not lose sight of the fact that he has much to learn. He must, likewise, consult his capital, and under no circumstances should fail to lay aside a certain amount for working purposes.

About ten or twelve years ago, the Purdue University Agricultural Experiment Station made an experiment of two lots of chicks, the food, care and treatment of the two lots being identical, except that Lot II received in addition to the food given Lot I all the skim milk they would drink. In the beginning, of the test, the combined weight of Lot I was 121 ounces. In two months Lot I weighed 297.5; Lot II 476.5 ounces. The average gain per chick, in that time, was Lot I, 2.75; Lot II, 3.95 ounces. This showed, that if skim milk be added to the ration fed to young chicks, it will increase the consumption of the other foods given. The great increase in average gain was coincident with the periods when the greatest amount of skim milk was consumed. Skim milk is especially valuable as a food for young chickens during the hot weather, and becomes of less importance as the chicken grows older and the weather becomes cooler.

Referring to Experiment Station reports, brings to mind a test made ten years ago by the Hatch Experiment Station, re cut bone vs. animal meal for egg production. The Station at the time said that the dressed fowls which had received the cut bone were slightly better than the other lot. Two hens in the cut-bone house died during the experiment from diarrhoea; those in the other house were healthy throughout the experiment. The dry matter per egg was, where cut bone was fed, 0.877 pounds; on animal meal, 0.69 pounds. A sample of eggs from each house was subjected to analysis. These produced on cut bone contained rather more protein than the others but less fat. The animal meal is the commercial meat scraps or meal, and numerous trials made by the writer have shown that with an increase of the amount of this commercial article, there is as much benefit gained, as by the use of green cut bone, and considerable labor is also saved.

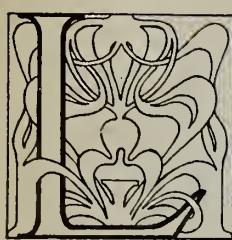
Clover rowen vs. cabbage for egg production, was an experiment tried in 1898 which gave important information. The cut clover was fed in the morning mash, in the one house, and in the other house a fresh cabbage, instead of the clover, was kept before the fowls. The advantage



FIRST PRIZE S. C. BUFF ORPINGTON COCKEREL AT
MADISON SQUARE GARDEN N.Y. 1912-13.
BRED AND OWNED BY
Wm. COOK & SONS SCOTCH PLAINS N.J.
ORIGINATORS OF ALL THE ORPINGTONS.

Selecting the Best Breed of Poultry

By J. W. BEESON, A. M., LL. D., President Woman's College, Meridian, Mississippi



LET it be distinctly understood that no mixed breed is a good breed. It never pays to cross breeds or to mix them. Some people buy two or three or more of the best breeds and put them on a farm yard or in a back yard and think they surely have the best now because they have several of the best breeds, thinking if one is good, two good breeds are better. They do not realize they have mongrels and the combined offspring are not as good as either of the original breeds. Besides a motley crowd of chickens is unsightly and makes a bad display. Select some one breed and get the best parent stock or eggs from the best specimens to be found as a beginning. If mongrels are already on the yard gradually get rid of them. Learn how to select the best specimens for breeders and mate them properly. Cull out the bad specimens each year, and dispose of them, thus keeping up the standard of the breed. Never keep a hen longer than two years, unless you keep her for exhibition. She lays 40 per cent less eggs the second year than the first and if not a good layer she will not pay for her feed the third year. The cock bird gets less vigorous after the second year and is not much useful after the third and fourth years, as a rule though a fine specimen can be used with a few females for several years. Mate cock birds to pullets and cockerels to hens, when possible.

An amateur or one who cannot devote much time to poultry raising should select a breed solid in color and one that has been bred for many years so as to be well established in reproducing its kind. A new breed is likely to breed back to some from which it was made. A solid color bird requires only one mating, while a parti-colored bird requires double mating. For example, the Barred Plymouth Rock requires a cockerel mating and a pullet mating to get the best results. This doubles the expense and trouble and complicates breeding. It is interesting to those who have the time and taste to study it. A Buff of any breed is hard to get to one color; some will be light, some will be dark and some mottled, with different shades on different parts of the body. If some color is selected, like Buff or Red, the male bird should match in color the females, to keep down the different shades in same bird as much as possible. A solid white or solid black is easiest to breed to color and is strikingly pretty and attractive. A green lawn, dotted all over with beautiful white fowls or solid black is a scene beautiful to behold.

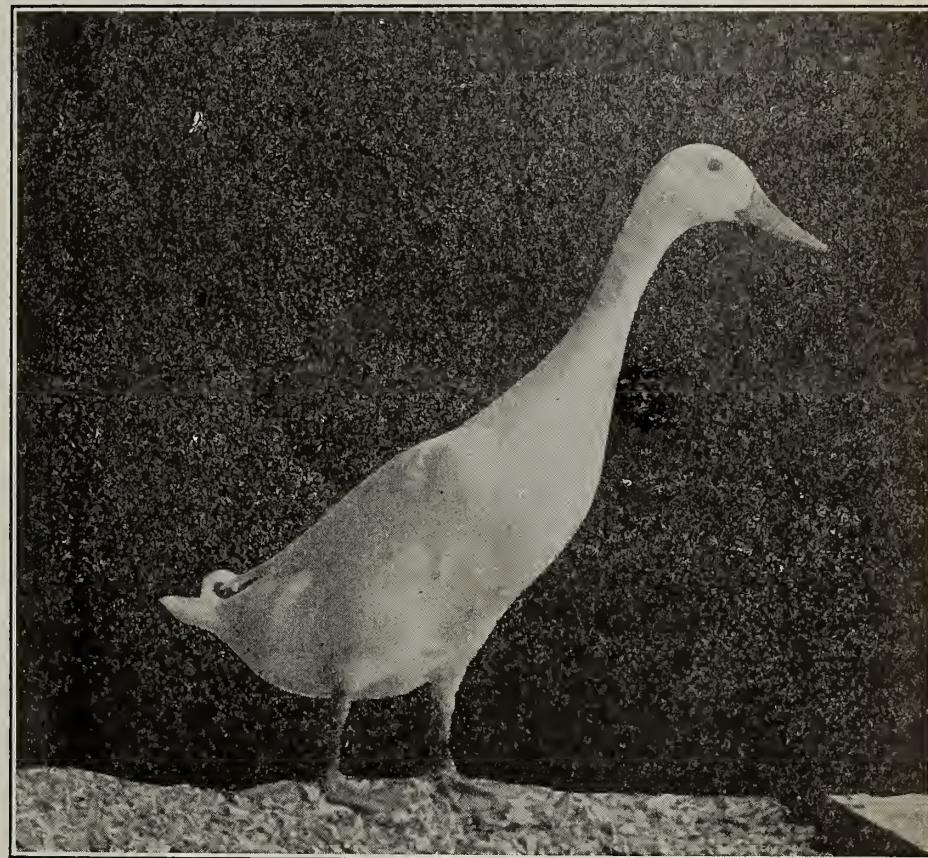
The largest smooth legged chicken is the Orpington. It is one of the best all-round breeds in existence. It grows rapidly, is a fine layer, very fine flavored meat, largest breast of all chickens. It is a fine winter layer. It is a fine mother; is not a clumsy, awkward fowl like the Brahma. There are three popular colors of Orpingtons: White, Black and Buff. The Woman's College has experimented with them all and find all of them very fine, desirable colors. The Buff is harder to come to color. The Black is a little larger than the other two colors and therefore not quite so active. We are a little partial to the White, though all are fine layers. The White Wyandotte is also a very fine fowl. It is a chicken of curves, and is very graceful and active. It is a large fowl but not quite so large as the Orpington. It is a fine layer, good mother and good all-round fowl. We find, however, there is a great difference in strains. Be sure to get a good laying strain, well bred. The Rhode Island Red is a fine medium-sized chicken, good for eggs and meat, and a beautiful fowl. The greatest objection to it is that it is so hard to breed true to color. It is a new breed and not so well established and breeds back if not very carefully and scientifically bred. It is fine for the fancier, for one needs to know how to mate and breed them to get best results.

The Woman's College has some of the finest strains and breeds in America, and imported some fine breeders from England, and is line-breeding them carefully so as to produce the best results. It is breeding for the rich colors so much sought after.

The S. C. White Leghorn is the most popular breed of all for eggs only. They are small and of not so much value for table use, except as broilers. They are non-setters and have to be hatched by incubators, or by hens of other breeds. They give more eggs for the feed than any other kind. Therefore, nearly all the egg farms in the United States are stocked with White Leghorns.

In a test, the Woman's College finds Orpingtons better winter layers than Leghorns, and Orpingtons and Wyandottes and Rhode Island Reds will all lay as many eggs as the Leghorns, but the Leghorns consume less feed.

The White Plymouth Rock is also a good fowl, though the College did not get as good results from it as from Orpingtons, and therefore disposed of the White and



First Young Drake, Atlanta, December, 1912, in a Class of 58—the Largest Class Ever Brought Together in the World. Owned by J. C. Patton, Charlotte, North Carolina

Barred Rocks; not because they are not good chickens, but because the Orpingtons and Wyandottes excel them.

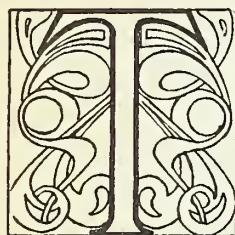
The College also finds Indian Runner Ducks to be great layers of large, beautiful and well flavored eggs, and therefore very profitable fowls. They have no contagious diseases, will not fly over a two-foot fence, will eat coarse food, good grazers, and little expense for housing; are very hardy. The English Penciled and the American Fawn and White are fine varieties; but the pure Whites are the most popular and will supplant the colored ones just as the White Leghorn supplants the Brown Leghorn.

Let the beginner select one variety. Then see where he can get the best strain that is well bred from a scientific standpoint, not only for appearance, but also for eggs. There is such a difference in strains. To say you have Leghorns or Orpingtons or Wyandottes will not prove everything. We have known some pens of the same breed to lay twice as many eggs as other pens. There is a way to select and line-breed stock so as to make them almost what you want. It is better to pay more for one's start and get line-bred stock that is scientifically raised and mated and is pedigreed.

The Woman's College is doing much scientific study and will be glad to assist beginners or amateurs or farmers who may want information.

Mottled Anconas-- Their Shape vs. Color

By S. P. PORTER, Mallet Creek, Ohio



HERE are few poultry fanciers that do not have a hobby, but most fanciers have some special point in view—some for shape, some for color, some for size—in the various breeds. The breeder with a hobby is likely to push that hobby, even to the neglect of other important sections, and it occurs to the writer that Anconas of today are getting hit hard by the hobbyist. We know of Ancona breeders who are "way up in G" on shape and congratulate themselves on it, and well they may and in conversation with them you cannot get them much interested in color or size or color of shanks. Again,

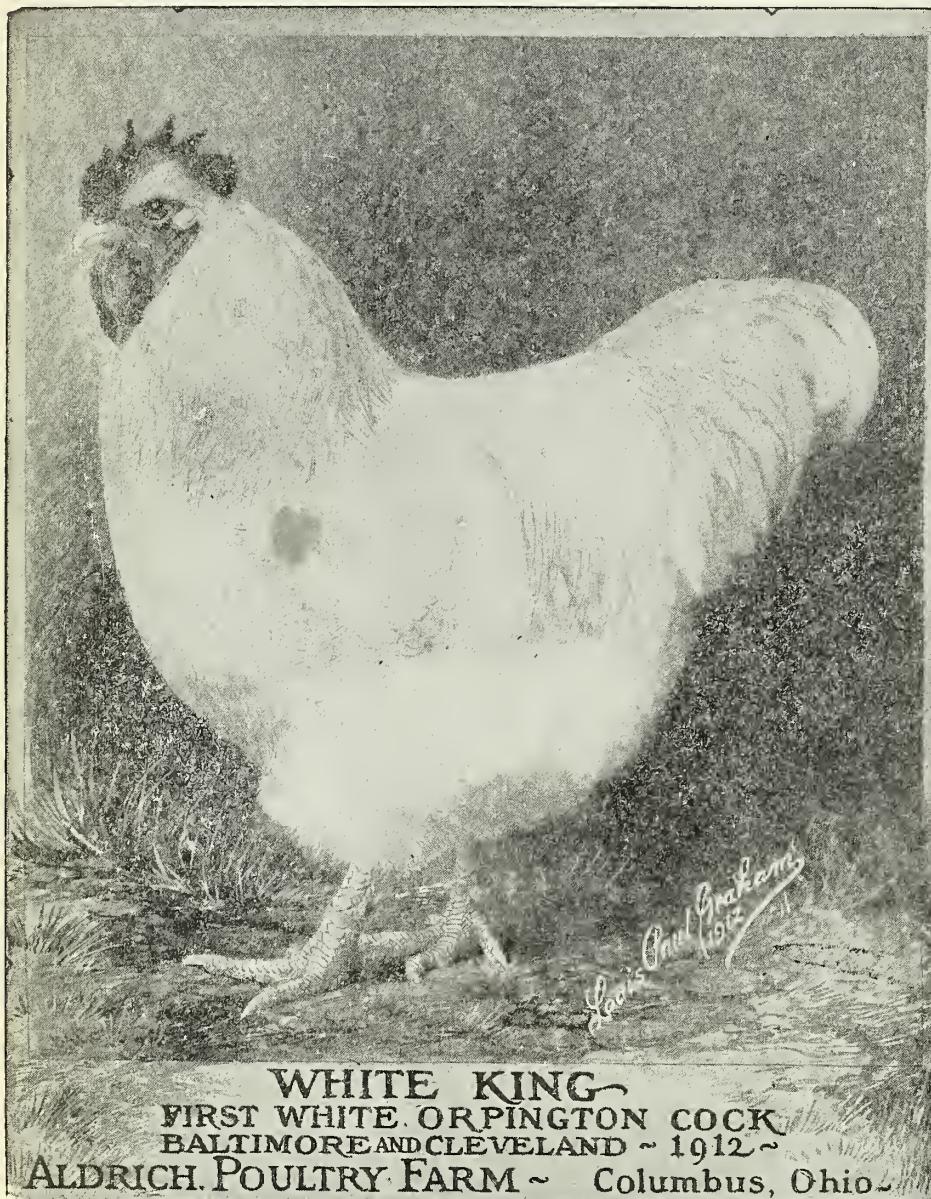
every turn. Therefore, the hobbyist is treading on dangerous ground when he sends out his stock to either the uninformed or to the amateur who believes in our law and reads it.

Again, some of us, while we have no particular hobby, we get careless on some lines while working hard on others. Correct mating to bring about certain results is a great study and is much enjoyed by the expert, who will tell you there is no fun in breeding a variety of chickens that breed too true to color and type. In visiting Ancona yards throughout the country, one can find about as much range in type and color as of any breed we know of. Too many of us take the law in our own hands and try to force the belief on our customers that we are right; it's dead wrong, and we cannot afford to practice it. If we are not able to point out to a customer the presence of Standard requirements in our birds, we better not try to supplement them with our ideas. However, sometimes the Standard leaves certain points to your choice and we never could see just why it was necessary to do so, and we think there are many breeders of Anconas who will join us in the belief that it is detrimental to our cause; for instance, the Standard says "shanks yellow, or yellow mottled with black." How many other breeds are there in the Standard where two colors for shanks are allowed—take your choice—why not give us one color and make us hew to the line? We believe this two color clause is only a breeder of hobbies, for we each will have a choice, of course, and if our shank-color doesn't happen to suit the ideas of a customer, why, we have lost him, and this very point in the Ancona Standard is today causing some breeders to work in all colors, ring-streaked and speckled, so that he can trot out a shank color to order. No, fellow Ancona breeders, we are not a believer in two different shank colors. We once had quite a brush but friendly tilt, with a fancier friend on shank-color of Anconas; we were denouncing the green shank as wrong, while he contended that a yellow and black mixture made green, therefore, green was admissible as a shank color, after considerable sparring we left off right where we started. He rode his green hobby home, while we rode home on our hobby that no other color, save yellow and black, was mentioned by the Standard, and further the Standard does not allow us to mix paints for Ancona shanks.

There are many who think yellow for shank-color is the better because the Standard mentions it first; however this may be the writer (of course his hobby) believes in yellow, slightly mottled with black, and why? because we have found as a rule this color of shank carries around a body covered with plumage nearest to Standard requirements than does the clear yellow leg. But, if the Standard required

yellow alone, we should jump into the yellow band wagon at once, for we believe in obeying the law while we have it, even if it does hurt a little to do so. Unlike its shank section for Anconas, the Standard lays down one law and one only for type or symmetry, and we must obey, or we will punish ourselves, and we are all only too glad to obey as best we can, and there is no hobby or wrangling over the law laid down in this section. True Ancona type as per Standard is worth money, and brings money, but, fellow breeders, we may get all we can of it, and if it is not backed up by good plumage and shank-color, it's only ten cent goods after all.

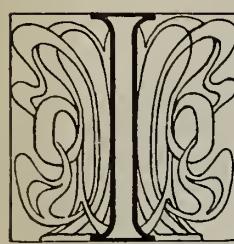
White clover hay is the richest in lime. Feeding clover is a preventive of soft-shelled eggs. Cut clover hay has helped revolutionize the poultry business. Red clover hay contains about twenty-eight pounds of lime to the thousand pounds. Scald the clover hay at night, and keep it covered, so it can steam. See that the clover is cut to one-half inch lengths. When longer it is apt to pack in the crop, causing crop-bound.



we have breeders that don't seem to care what shape a bird has just so it has that correct and beautiful plumage of the Standard Ancona. Now if these two extremists (as you might call them) would get together after years of hard work along their hobby lines and do a little scientific mating, much good might come from it; but, there is one thing that we have noticed, viz.: that a majority of those with a hobby, ride that hobby hard, and seem to enjoy their work along that line. We cannot afford to take up any particular type or color not mentioned by the Standard even though we may not exactly agree with the Standard on certain requirements. The Standard is our law and we should obey it while we have it, and if found to be faulty, work for a change at the right time; if we breed according to our own ideas, ignoring the Standard on certain sections, and send out some of our stock to a new beginner who has little experience in our breed (but is sharp enough to purchase a Standard and read up on the breed) we may have to stand the shock of a good calling down from an amateur, who, with the law book on poultry, can checkmate the hobbyist at

Pointers on Egg Production and Mating

By J. C. CLIPP, Saltillo, Indiana



IF YOU are raising poultry for eggs you should have your layers in prime condition at this time of year and confined in their winter quarters for at least a few days, in order that they will become accustomed to the new surroundings and will take to the buildings at night and keep from the trees and other undesirable places at roosting time. Pullets that are intended for

breeders or winter egg production should be selected early and separated from the males and placed in good, roomy winter quarters, where they have ample room for proper exercise and fed all they will eat of the best egg producing food. It never pays to feed stimulants of any kind to the young hens. If they have the proper care and feed, nature will force eggs early enough. Red pepper or any other condiments of like nature will do more harm than good, in majority of instances. Where pullets are rather stubborn about beginning to lay when all nature lends assistance their way, then a few feeds with some mild condiment may be added, but that should be the limit and not the habit, as a continuance of the stimulants ends in destruction. Feed good nourishing foods that contain the elements that tend to produce the eggs and highest results possible will be the remuneration.

It would be hard on the fowls, after spending all the summer on range of considerable area, to confine them and deprive them of all nature's supplies. They must be provided with green foods. If you do not have parks with a natural supply you must substitute something that will answer the purpose. Our parks are heavily coated with blue grass and it appears the hens enjoy the park quite as well as on the range. Cabbage is one of the best substitutes for green food of anything we have ever used. Pork and beef livers are procured from our local butchers for the animal food supply and they certainly relish such rations. Grain of various kinds is fed to our fowls regularly, such as wheat, corn, oats and wheat bran. The bran is fed daily, dry in troughs or shallow boxes. We find the dry wheat bran gives us better results in heavy egg production than almost any other one thing. It keeps the fowls contented and at the same time supplies them with a good, wholesome food. Fowls that have been used to range all summer long, become very nervous when confined and will soon learn feather pulling and many other evils, but where you have dry bran for the fowls to pick at, they seldom ever create a habit of those various evils. We dislike to have our fowls go in winter quarters "mud fat," but we do like to have them plump, with plenty of vitality to tide them over the change of from unlimited range to limited quarters. By placing the fowls in winter quarters it is not supposed that we are to deprive them of every liberty, but on the other hand, we are supposed to provide them with every natural liberty possible. For instance, exercise is largely neglected by the amateur poultryman. Exercise is the life of the whole matter. It requires plenty of exercise for the hens to be and to remain healthy. For that reason we make our parks plenty large for the hens to "play" in during mild days. They enjoy getting out and taking those healthful sun-baths. When you are selecting your layers or breeders for the winter quarters, see that each fowl is perfectly healthy, otherwise you will soon have your entire flock diseased and worthless for egg production. If you find one with a slight cold, do not console yourself with the idea that it will soon recover, for the chances are it will not. It will most likely get worse and soon develop into roup. When roup once gets into your flock you had almost as well dispose of every fowl for they will be a bill of expense to you all winter long and no profit whatever. Roup, I beg to tell you, is a mighty terror to the poultryman. I would prefer any other known disease than roup. If you have fowls that are suffering with chronic roup, kill and burn because it would be a waste of time to try to doctor them. If you have several cockerels you wish to carry over for breeding purposes, separate them from the females, as they are a nuisance in a flock of winter layers. We have selected every cockerel and placed in separate runs away from the females and I have noticed the females are doing much better than when all were running together. All cockerels that are being held over for breeding purposes

or otherwise will not require the same food as the layers; hence, the wisdom of separating them. Cockerels will not require an egg ration, such as an occasional mash or other dainty foods, but can live and thrive on a variety of grains with a limited amount of animal foods, yet those that are expected to head our breeding pens are fed very carefully on green foods and animal foods, as well as a complete grain ration, but we do not feed them so much as we do the pullets. Hens that are laying will require more food than the growing cockerels, at the same time the cockerels will do just as well on oats, corn and an occasional feed of wheat, when the pullets must have a wider range of varieties. We have been asked over and over again if we prefer cockerels mated with hens. There is no question but what you will have better results with cockerels and hens than you would with cockerels and pullets. We mate our pullets to our best cock birds and the best hens to the best developed cockerels and you will seldom ever see harder chicks than our matings produce. It is the care we give our fowls now that stamps quality and vigor in our youngsters this spring.

The Hen House For Hens

IS the hen house for man or for fowls? Is the first aim in building a house to satisfy the taste of the owner or to provide for the nature of the laying hen?

In reply to these questions I wish to set forth a few facts. The first consideration in building a house for laying hens is to meet the demands of the laws which govern the physical nature of the occupants. Among these demands may be mentioned sanitation, exercise, warmth, privacy, convenience. The second consideration is to provide for the owner's economy (in time, labor, and material) also convenience (in feeding, cleaning, and gathering eggs.)

There are four general physical habits of the laying hen. She scratches, feeds, lays, and roosts. Therefore, she should have rooms for scratching, feeding, laying, and roosting.

There are four general characteristics of the laying hen to be considered. She is affected by the weather, she is easily excited, she chooses privacy, and selects the highest point in the house to roost. Therefore, she should have a house to meet the changing conditions of weather (cold, heat, darkness, and light). Also the house should furnish a retreat, privacy, and the highest point for roosting.

I can show best how all these considerations are met by mentioning a house which I built in my back yard at the parsonage in David City, Nebraska. The house has met every requirement and has tested one hundred per cent efficiency in egg production.

To provide for a surplus of 20 pullets of a flock of 38 April 30th hatch, I built a house 6 by 8 feet, ground floor, at an expense of twelve dollars for material. The first floor was put one foot below the surface of the ground. Then above are the feeding, laying, and roosting floors respectively. Windows are set at half angle to catch the direct light and heat rays of the sun for the scratching and feeding floor. The cloth ventilation is placed at one end of the fourth or roosting floor. Litter, feed and water are placed from the south side. The eggs are gathered and the roosts are cleaned through drop doors at the north.

The twenty pullets in the newly planned house laid 363 eggs during December; while the 18 pullets of the same hatch, in an old style house of twice the dimension, equally warmed, lighted, ventilated laid one-third less eggs per pullet on the same rations during the same month. How is the difference accounted for? Simply the newly planned house meets all the conditions governing the nature of the laying hen. It also provides economy and convenience for the owner.

This house can be built by any one—portable, any length, and for any number of fowls. It is especially adapted for the "fresh air" method, and for an open summer house. In the brooding season it is convertible into three houses: namely, the two lower floors will provide for two flocks of chicks, while the upper two floors will remain the quarters for the laying hens.—R. A. Harrison, David City, Neb.

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and Tennessee Poultry Journal

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"Honor to Whom Honor is Due."

It is an indisputable fact that the present prosperous condition of the American Poultry Association is due to the business ability, integrity and faithfulness of those officials intimately connected with the administration of the Association's affairs. Special credit is due President Reese V. Hicks and Secretary Campbell, whose untiring efforts have made possible the gratifying results. The Executive Committeemen should have their mead of praise, those who have worked in harmony with the present administration.

President Hicks refuses longer to be the standard bearer, therefore another president must be chosen.

We urge upon the voting membership to let business sense, fraught by and guided with wisdom determine the candidates you will vote for. Consider conditions and vote for the men whom you think will do most to further advance the interests of our great Association.

The present membership of the A. P. A. is approximately 5,000. Three years ago, when Mr. Campbell became secretary, there were less than 1,600 and a disorganized and bad financial condition confronted the new officials, but by the faithful efforts and business ability of Secretary Campbell, aided by the President, conditions have been changed to where now the business affairs of the Association are conducted with satisfaction to all, save only a very few disgruntled chronic kickers who can always be found trying to check the progress of any good cause.

Secretary Campbell has been a courteous and able official, faithful in the discharge of every duty and if re-elected, we believe he would continue to give his best services to the prompt and careful administration of the affairs of the Secretary's office.—E. M. G.

Among the candidates whose names appear on the official ballot of the A. P. A., we wish to call special attention of our readers to two of them. We refer to Mr. W. C. Denny, of Buffalo, N. Y., and Mr. U. R. Fishel, of Hope, Indiana. Both these gentlemen are candidates for membership on the Executive Board, and in filling out your ballot, do not fail to place an X in the square opposite their names. Both these men are well qualified to discharge the duties of the office of Executive Committeemen, and they are men of high character and will look well to the welfare of the Association.—E. M. G.

It is with pleasure that we announce to the poultry world that Judge H. B. Lansden, of Manchester, Tenn., will continue to be identified with the poultry industry in the capacity of a judge. Owing to ill health Judge Lansden had to dispose of his famous Red Fox strain of S. C. Rhode Island Reds, but he informs us that he will continue to judge. Mr. Lansden has been a poultry judge for the past

six years, and during that time has never received a single complaint against his decisions. This certainly is a good record. He judged at some of the largest shows in the South last season. The managements of poultry shows will do well to write him before selecting their judges.—E. M. G.

In a recent letter from Mr. O. T. Hallman of Charlotte, N. C., he writes:

"I have just read your editorial in the February issue of the Hen, and wish to say that it is the best editorial that has appeared in the Hen for seven years that I have been receiving the paper. I hope you will continue to score the poultry show managers who make a charge for space. As a breeder and advertiser, I want to see the poultry journals get all the subscribers possible; it helps the industry."

This is a sensible view of the matter, and besides the poultry shows are more than paid for the small space representatives of poultry journals occupy, by the free announcement and other news items, which are run gratis by the publishers. We hope the show management will consider this matter in a more favorable light for the coming season; be more courteous to a deserving press than some shows have been heretofore.—E. M. G.

We are in receipt of a letter from Mr. W. C. Pierce, member of the Standard Revision Committee, in which he writes as follows:

"Would like to have you make an announcement in your paper that as a member of the Revision Committee for the 1915 Standard, I would be glad to receive any suggestions of desired changes to be offered in the next Standard. The Committee solicits these suggestions from breeders everywhere and you can rest assured that they will be given due consideration by the committee when they meet in May."

"Would also like to receive any suggestions from judges and we feel sure that the judges have a better opportunity of discovering omissions and mistakes in the Standard than almost any one else. We would ask the breeders in all sections of the country to not delay this matter, but forward same to W. C. Pierce, 825 State Life Building, Indianapolis, Indiana, at once."

We welcome to our exchange list The Meddoside Poultryman, published at Laurel Springs, N. J. The copy we received is Vol. 1 No. 2, consisting of 32 pages and cover. This is a fat baby chick to begin with and Dr. Milton J. Waas, the editor has our best wishes for a successful career in poultry journalism.

We have no fight to make against any candidate in the field for A. P. A. honors, but we do want to see the best men elected to office—men who will continue to build up the Association rather than tear down what has been done.—E. M. G.

The Progress Made by A. P. A.

In many respects the American Poultry Association has room to be thankful. In 1907 when the new constitution was adopted there was enrolled a membership of 800. At this time the organization of branches was inaugurated. In 1909 there had been charters granted to fourteen branches. Since then the growth of the American Poultry Association has been marvelous—the roster now showing 4,500 members and thirty-nine branches, with excellent prospects that at the next annual convention, if all could be present, 5,000 would answer roll call.

The finances of the organization are in a healthy condition. During the month of January, 1913, one hundred and fifty new members were enrolled and the receipts exceeded \$4,000.00—and with plans now on foot will place the Association in a strong position which will enable it to carry on the work outlined to a successful completion.

By reason of its unity of purpose and co-operative spirit it has been instrumental, to a considerable degree, in promoting a higher and broader field in which the poultry industry will receive greater recognition. Good fellowship and a fraternal feeling among the members is fast cementing the poultry people and their allied industries. Much adverse criticism has been eliminated and all are striving for the uplift of conditions.

The Association has proven of untold benefit and

promises much for the future. The aims and objects of the Association are to make progress, to purify environment, and to protect its members. In doing this we are living up to our motto—"Progress, Purity and Protection," "Our Field, Every Poultry Interest." We are aiming to advance the material and social side of poultry culture.

Parcel post is furnishing a new form of transportation. Better service and lower rates have resulted from the introduction of parcel post.

The Association is endeavoring to create a stronger alliance between its associate members and the parent body. With these objects in view the support and hearty co-operation of all members is earnestly solicited.—A. P. A. Bulletin.

A Card from Mr. Murkin

I notice the comments going the rounds in the press relative to my candidacy for the position of Secretary of the American Poultry Association. I take this opportunity to say that I have a right as a loyal member of the American Poultry Association to aspire to any position within the gift of the Association, and any statements that I am affiliated with or belong to any individual, clique or organization seeking to get in control of A. P. A. affairs, is unfounded and absolutely untrue. My connection with leading shows of the country have nothing in the world to do with my race for Secretaryship of the Association. I am perfectly familiar with the fact that I cannot, if elected, devote my time to any other than Association affairs, and it is not necessary to send me extracts from the By-laws and Constitution, informing me of this law. I do not fight my battles under cover, as it is charged, but am in the race free-handed and above board, to the finish. If I win all right. If I lose, I will be the first man to congratulate the winner, and will be found back in the ranks giving him my best support.—John A. Murkin.

Mr. Quisenberry Not a Candidate

Mr. T. E. Quisenberry, Mt. Grove, Mo., in declining to be a candidate for membership on the Executive Committee of the American Poultry Association, writes as follows:

"Despite the fact that I was not a candidate and did not send out even a postal and had not asked a single member of the Association to vote for me as a member of the Executive Board of the American Poultry Association, I received nearly 500 votes on the nominating ballot. I wish to thank my friends for this expression of confidence. I have served three years and tried to stand for what I thought was right. I have not been a candidate because I had any fear of being defeated, but because my own work is crowding me for time and I want others to share the honors and responsibilities of the Association. I am greatly interested in its welfare, and hope the policy of those who will be selected for positions will be broad-minded and progressive, for it is the duty of this Association to foster all branches of the industry. If I have the opportunity before my term expires, I expect to vote to open the Executive Board meetings to all members, and hope that the time will come when this is done. In my opinion, the next few years is certain to be a most critical time in the history of the Association. We need big men to safely and wisely mould the destiny of a big Association and a big industry."

"Thanking my friends throughout this country for the honors conferred upon me, I shall now be content to work as a private in the ranks of the Association, and do what I can in my feeble way to benefit the industry in Missouri and elsewhere."

Dumbarton, Va., March 24th, 1913.
The Industrious Hen, Knoxville, Tenn.

Gentlemen—It gives me great pleasure to mail you check for my display ad. in March issue of your journal. The Hen was hardly off her nest before I commenced to realize the worth of my investment. Thanking you for your courteous treatment, and wishing you continued success, I am

Very truly yours,
WISTAR POULTRY FARM.
H. M. Gaines, Prop.

Lynchburg, Tenn., March 21, 1913.

Industrious Hen,
Knoxville, Tenn.

Gentlemen—You will find enclosed my check for my March ad. which I am always glad to pay, for it is the only advertising medium that has ever given me any results to speak about and I use four daily papers and other journals, but the most of the inquiries that I get say "I saw it in the Industrious Hen," which assures me that your journal is the one that is doing the business. I can tell when it has been mailed each month as my mail begins to pile in.

I remain as ever, first and last and all of the time for the Industrious Hen, as her name tells a true story—she is industrious all right.

Yours truly,

G. B. MOORHEAD.

Mr. E. B. Thompson a Candidate for President of the A. P. A.

To the Members of the American Poultry Association:

At the request of breeders and friends from every section of the country I have finally consented to accept the nomination as a candidate for President of the American Poultry Association.

I do not crave for office, but I do feel that there are times when one must consider the wishes and the general welfare of the breeders and the industry at large above their own personal desires, and bow willingly to the demands made upon them.

If elected I will owe the office to the members of the Association. I have made no promises and do not intend to make any beyond these, viz: That I will assume office and give it my every attention and all the time required for its proper fulfillment. That all matters for my consideration will receive impartial and just action as I see and understand them. That I will freely use every power given me to properly fulfill my duties and will labor unceasingly for the welfare and general success of the great poultry interests and the American Poultry Association.

Let me urge upon every member that they should deem it a duty and a privilege to vote. They owe it as a duty to themselves and the American Poultry Association to fill out their ballot and return it to the Election Commissioner promptly.

I would respectfully ask for the members' support.
Fraternally yours,

E. B. THOMPSON.

Amenia, N. Y., March 15th, 1913.

Statement of the Ownership, Management, Circulation, etc.

(Required by Act of Congress, August 24, 1912.)

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There are no bondholders, mortgagees or other security holders.

(Signed): EDW. M. GRAHAM,
Business Manager.

Sworn to and subscribed before me this 3rd day of April, 1913.

(Seal)

O. L. WHITE.

Notary Public, Knox County, Tenn.

My commission expires October 8th, 1916.

The final election ballots are now in the hands of A. P. A. members, and must be returned to the Election Commissioner by May 4th. Vote now.

Some Facts About Poultry Advertising

The Persistent Advertiser is the Successful Advertiser



FPOULTRYING is to be a real business, one that can be depended on for a yearly income, attention must be paid to the selling end of the business.

The manufacturer and merchant appoint their brightest, most alert and most original men to manage their advertising department. The Wanamaker store pays to their advertising manager almost as large a salary as our Senators receive. Ordinary poultry farms will not warrant employing a man especially to advertise and sell the surplus output, but the proprietor himself must be the salesman. Perhaps a few crude suggestions may be of use to some learners.

Never before in the world's history were there such facilities for advertising as at the present time. Blessings be upon the head of Cadmus, the Phoenician, or whoever it was who first invented the art of printing. By our art in printing and our wonderful facilities for widespread dissemination of the printed material, the whole world is our market. Space is annihilated, and our location is of no moment. We may live in the woods and the world will wear a beaten track to our door, provided we excel in some useful pursuit and judiciously advertise.

This privilege of widespread publicity by means of the press, has often been misused by the wicked and unscrupulous. All good is menaced by some peril. "Naught so good but, strained from its fair use, revolts from true birth, stumbles on abuse. Virtue itself turns vice, being misapplied, and vice sometimes by actions is dignified."

Have Something of Value to Sell.

The first essential is to have something really worth selling. Do not try to sell something that is worthless to you. If it is of no use to you it is seldom of use to the other fellow. Besides, there is a telepathic influence or hypnotism unconsciously exerted when one is trying to sell goods that represent actual value.

One need not wait until he has as much stock as some of our famous poultrymen before venturing to advertise. It is quality, not quantity, that counts. It is better to begin at the start and learn all branches of the business when the business is small, then, when your business grows, your knowledge will keep pace in all departments.

Discriminate in Advertising.

Much good money is wasted in indiscriminate advertising. Endeavor to get your ad. before people who are interested, or might be induced to be interested in your line of goods. Do not advertise Panama hats or peck-a-boo waists in Cook's Polar Magazine, nor chicks in the Sunday edition of a city daily. Advertise in papers and magazines devoted to the particular line you are advertising. The class of people who are interested in farming read farm papers; in stocks, they read stock reports; in lumbering, the lumber journals, and in poultrying they should read the poultry magazines. In selecting your magazine, select not the cheapest but the one

with the largest paid circulation that covers the territory where you can safely ship your products.

It is better, I believe, to have small classified ads. in several well established magazines than a large, expensive ad. in one paper.

Wording An Advertisement.

In some way your poultry plant excels, make that point clear and that will attract all interested in that special line. If egg production is your specialty, emphasize that point; if you produce show room stock, bring that to the front; if general utility stock is your aim, lay stress on that. Let your words be crisp, clear-cut, to the point, and state essential facts. Word your ad. that the words shall be like magnetic wireless messages sent forth from the Poultry Magazine station, charged with power to attract unto themselves, all those whose mind is magnetized by the same line of thought.

Neither does it pay to exaggerate your stock or plant. "Be true to yourself and you will not be false to any man." Endeavor to picture in words actual facts, just as they are. Not as they ought to be, nor as you would like them to be, but as they really are. One satisfied customer is worth more than a dozen dissatisfied ones, from an advertising point of view. That is, if the customer is reasonable and knows the value of what he buys. One will find occasionally a customer who, through ignorance, or possibly through greed, makes complaints that are wholly unwarranted. Be firm and courteous with such cases and they will in time see you are just.

One of the pleasantest features of my poultry business is the kind letters I am constantly receiving from my customers who seem like friends to me.

Persistence in Advertising.

Persistent advertising is the only advertising that will pay. To advertise one or two months and then quit is as foolish as the Indian, who concluded to try the white man's famous feather bed. He procured a feather, just one, put it on the ground and laid down upon it for a night's repose. In the morning he got up, sore and lame, and disgustingly grunted out: "Ugh, feather no good, white man, he lie."

An ad. may not give returns for three months, six months, or even the first season. But keep at it and it surely will. Keep at it in the same magazine, too, until you are sure you are getting no returns. If advertising in several papers one can key his ads., so you will know to a certainty what papers are paying. Fowls themselves have been persistent advertisers and each year brings them more recognition. They are constantly advertising their superiority over all other barnyard citizens—crowing and cackling at their achievements, day and night. And with what constancy! Never an hour of the day, nor many hours of the night, but they are advertising their own prowess. All breeds of fowls the world over never fail to crow in their own behalf. Homesick travelers in foreign lands, longing for old familiar sights and sounds, gladly hear old "chanticleer, his clarion blow."—Bert Connelly, Mainesburg, Pa., in Poultry Item.

Single Comb BROWN LEGHORNS

Winners of 4 firsts, 4 seconds, 6 thirds, at Meridian, Mississippi, and Atlanta, Georgia this season. These birds are all produced from the single mating plan. We are breeding birds with style, color and good large combs from a single mating. The hens also have the shape and combs that mark them as splendid layers. Eggs at \$1.50 per 15, \$7 per 100; baby chicks at 12c; stock at \$2. Promptness and satisfaction our specialty.

STURTEVANT BROS., BROWN LEGHORN FARM

Box 12

KUSHLA, ALABAMA

Utility and Fancy Pigeons

By JOHN A. PORTER, Porterdale, Ga.

We feel very much gratified over the success of the first installment of our Pigeon Department. The editor has received numerous letters from breeders and prospective breeders all over the South asking for information as to the different kinds of pigeons to breed, showing that a keen interest is being taken in this department.

As The Industrious Hen is the most progressive poultry journal in the South, and the only one publishing a pigeon department, it is unquestionably the best advertising medium for Southern as well as Northern breeders.

The article on Maltese Hens is from the pen of Mr. N. L. Lafreniere of Vineland, N. J., a breeder who has made a success at squab raising. Read carefully what he says with reference to this breed. We also have an article by Col. Jas. P. Kinnard of Haskell, Texas. Col. Kinnard is a member of the Haskell bar and a breeder of high grade Carneaux. Breeding pigeons is more or less of a fad with Col. Kinnard. He, however, has succeeded in making his fad pay him handsomely. You will find both of these articles of great interest.

This paper is the official organ of The Southern Pigeon Association, The "Pigeon Boosters" Club. Mail your annual dues of \$1.00 to the Secretary, Mr. Arthur F. Rolf, at Experiment, Ga.

THERE'S MONEY IN RAISING SQUABS.

I AM a utility pigeon breeder and have found the business not only profitable, but extremely interesting. The average person is disposed to smile when you state to him that you are breeding pigeons as a business proposition, but a careful investigation into the matter will convince him that as compared with poultry, pigeon breeding not only required very much less capital and labor, but if properly handled is more remunerative. I am speaking from the standpoint of utility pigeon breeding.

One has only to look over the National Squab Magazine, Utility Pigeons, or any of the other utility pigeon publications to convince him-

F.P.C. CHICK MANNA

Introduced 1884
The Original, First Offered and Leading Special Prepared First 10 Day Food
Starts CHICKS, TURKEYS, PHEASANTS, Healthy, Strong and Vigorous
A Complete Food. "They not only like it but thrive wonderfully on it." — M. K. Boyer.
Recognized unsurpassed. Sold by leading poultry supply dealers. Ask your dealer for it. Insist on having it.
1 lb. feeds 15 chicks, 5 lbs feeds 75 first week. Send for special introductory offer & Poultry Supply Price Lists.
F. P. CASSEL & SON, Manufacturers LANSDALE, PA.



Weelaunee Mondaines Weelaunee Carneaux Weelaunee Maltese

The nobility of the Pigeon World. Finest squab pigeons in the world. Show specimens a specialty. My references: Show records for last five years. JNO. A. PORTER, Porterdale, Georgia.

A HOME MACHINE FOR THE HOME FOLKS
MADE TO SUIT THE CONDITIONS IN THE SOUTH

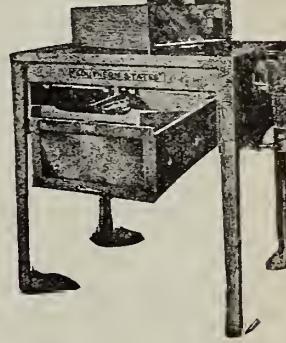
Manufactured by

Southern States Incubator and Brooder Company

COLLEGE PARK, GEORGIA

A Machine that is hatching big per cent of Ducks and Chickens. It is absolutely free from smoking or catching on fire.

TEMPERATURE
MOISTURE
VENTILATION } AUTOMATIC



There is no machine on the market today better in any way than this machine. Made from the best of natural oak grown in Georgia; highly polished, it is a substantial and beautiful piece of furniture. All inside heating equipment made from best grade of copper.

IT IS A MACHINE OF LASTING QUALITIES
ORNAMENTAL QUALITIES
EFFICIENT QUALITIES

Write us for our catalogue, describing fully each machine and brooder, with prices. Don't buy until you have investigated our machine.

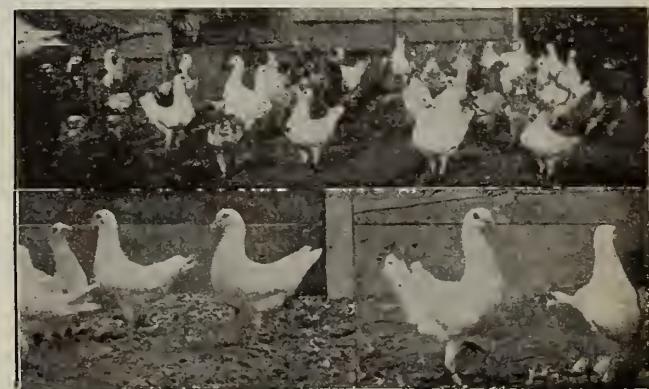
self of the immense growth of the squab industry.

The large increase in the consumption of squabs is due in a great measure to the scarcity of game and the stringent laws prohibiting the sale of same in the hotels and cafes. Five or six years ago scarcely any of the hotels in the South offered squabs on their menu, but today they not only occupy prominent places thereon, but are more frequently given special mention.

The people in the North awoke a long time ago to the fact that there was not a more delicious and appetizing morsel than a well prepared squab. "Extra Jumbo Squab" is one of the highest priced dishes offered on the menu cards of the best cafes in New York and other Northern cities.

Before going into squab farming one should familiar-

ize himself with the different breeds of pigeons as much as possible, and settle definitely just what breed is best adapted to his requirements. After he has done this, the next thing to do is to procure plans for his plant from some one of the successful pigeon breeders, as his success will depend as much on



A Flock of Maltese.

Creasy's Orpingtons

Not the Best, But as
good as any of them

BUFF--WHITE--BLACK

Foundation Stock direct from Wm. Cook & Son, which guarantees the best that can be had in the Orpington family. I have one pen each of Buff, White and Black, and there is not a bird in either pen that hasn't won a blue ribbon. 15 eggs \$10.00. Write today for illustrated catalogue and mating list.

MAPLE HILL POULTRY YARDS
FELIX CREASY, Prop. -- LEXINGTON, TENN.

the proper construction of his lofts as any one thing. Here in the South where insect pests are more numerous than they are in the North, it is necessary that the houses be well ventilated, and that they be kept free from draughts. The nest boxes should be made of ample size with sliding bottoms, so that cleaning can be done quickly and effectually. As a general rule not over fifty pairs of breeders should be confined in one pen, and it must be seen to that they have a plentiful supply of clean drinking water at all times. It is also necessary to furnish them with a basin in which they can bathe at least twice a week. If the lofts are properly cleaned and ventilated at regular intervals, it will be found that pigeons are free from practically all diseases, provided clean, sound grain is fed. The diet should consist of wheat, cracked corn, kaffir corn, Canada peas and other grains and seeds, the greater the variety the better. For nesting material tobacco stems and pine needles are good, but nothing can equal red cedar shavings if you are where they can be procured. The writer usually takes an old telegraph pole and runs it through a planing machine until it is reduced to shavings. They certainly have a tendency to keep off lice and mites.

A word as to the different utility pigeons to breed; some of the best are as follows: Homers, Carneaux, Maltese Hens, Swiss Mountain Mondaines and White Kings. There are probably more Homers in use than any other one breed. This, the writer believes, is due to the fact that they have been bred very much longer in this country, and as a rule are very much cheaper. Personally, the writer prefers either Carneaux, Maltese or Swiss Mondaines as they breed almost as fast and their squabs weigh from 12 to 16 pounds to the dozen, while the Homers will only run from 7 to 9 pounds. However, there is a great difference of opinion among breeders on this point, as to the different breeds to raise.—John A. Porter, Porterdale, Ga.

MALTESE HEN, THE FANCY-UTILITY PIGEON.

IN complying with the request of the editor of this department to write an article on my experience in breeding Maltese Hen pigeons, will say that I fear by so doing I will do the Maltese an injustice. Any facts that my experience will permit me to

KILMAN'S SINGLE COMB REDS

Have won highest honors under such judges as HUGHES, MARSHALL, EMRY, SAVAGE, WATKINS, OKE and others, at such shows as Memphis, Jackson, Little Rock, Pine Bluff, Fort Smith, Hot Springs, etc. Our customers have won at Memphis, Meridian, Atlanta, Charlotte, Houston, Beaumont, San Antonio, Columbus, etc. Best eggs, \$5.00 per 15.

W. F. KILMAN -- **BALD KNOB, ARKANSAS**

STRAWBERRY PLANTS

Send \$2.50 for 1,000 plants, Excelsior, Klondyke, Aroma and Gandy. Raspberry, Blackberry, Dewberry, Grapevines, etc. Cabbage plants ready now, \$1.50 per 1,000. Tomato, Pepper and Sweet Potato Plants ready April 1st.

JOHN LIGHTFOOT -- **EAST CHATTANOOGA, TENNESSEE**

HINTON'S POULTRY

Quality **WHITE WYANDOTTES**, **S. C. WHITE LEGHORNS**, **BUCKEYES**, **BUFF COCHIN BANTAMS**, **PEDIGREE COLLIE DOGS**. Baby chicks and eggs for hatching from select prize winners and great egg producers. A few good breeders and a choice lot of Collie puppies for sale. Write your wants; I can please you as to prices and quality.

MRS. H. P. HINTON -- **Route 6** -- **Box 87** -- **DALLAS, TEXAS**

write of will look tame when placed beside the many great virtues claimed by other breeders for their particular breed of pigeons.

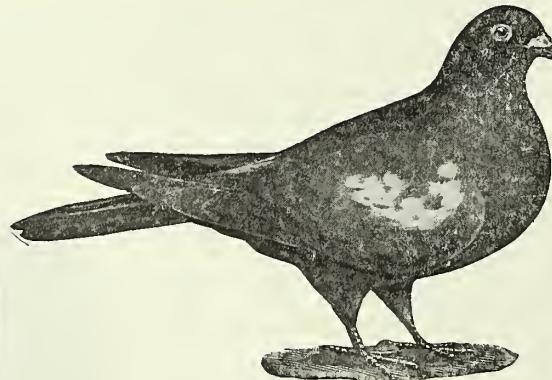
I claim for the Maltese Hen, both fancy and utility qualities combined to a degree surpassing that of any breed of pigeons. In regard to 'fancy' it is the equal of any pigeon. To see it is to admire it. To care for it is to love it. As a pet it is equal to the Pigmy Pouter; bold, fearless and con-

love my Maltese Hens and I sometimes think I am repaid in kind.

In dealing with their utility qualities I will treat of them not as individual pairs that give me 9 to 10 pairs of 12 to 15 pound squabs per year; such statements while true, are misleading to beginners, and I am sorry to say that most writers seem to feel justified when writing about pigeons to claim for the variety what a special pair has accomplished or is capable of doing. To state that a pair of Maltese Hens raised nine pair of squabs

in twelve months, is stating facts; but to state that Maltese Hens or any other kind of pigeons will raise nine pairs of squabs per year is something else that is not to be classed with facts. In dealing with the utility qualities of the Maltese Hen I will limit my remarks to actual results obtainable when kept in quantities and strictly for market purposes.

From my experience with utility pigeons, I would place the Carneaux at the head of all pigeons as a business bird, with possibly the Mondaine second, and the Maltese Hen disputing second place with the Mondaine. The Maltese Hen is the quickest pigeon to get to work of them all; you move a pair or destroy their nest, and in a very few hours they will be building another one. They produce the best squabs of any pigeon I know of and I feel that their squabs should command much better prices, and they



Rose Wing Carneaux.

fiding. I have to caution visitors to my lofts to be careful and not step on them. Owing to these qualities they afford me more pleasure than any pigeons I have ever kept. They never fail to charm the visitors, the old breeders of pigeons or others who see them. Any lover of pigeons will find himself fully repaid for any little attention he may bestow on them. I

very likely will, if people get to know them. In this respect they stand in a class by themselves. Squabs from white Maltese of the fast breeding kind will average about eleven pounds to the dozen, colored Maltese twelve pounds to the dozen—the colored bird being some larger than the white, which accounts for their squabs being heavier. They will go to nest every 34 to 42 days as a rule, and average about 40 days from nest to nest. I have had them breed faster than this for a few months, in the spring as fast as 26 days, and have had ambitious pairs feeding two pairs of young ones, one pair in nest and one pair on the floor and setting on eggs at the same time, practically running three nests at once.

I do not consider them equal to the Carneaux as winter breeders; right there is where they fall short of first place. The Maltese, however, gain some on the Carneaux in the weight of their squabs, say one to one and one-half pound per dozen. The Carneaux squab I class between ten and eleven pounds to the dozen; so on the whole they are not very much behind the very best in the dollar column. The number of pairs they will raise per year will depend largely on conditions. This is true of any breed of pigeons. To some extent the man behind the gun is a factor.

Where pigeons are kept in pens of say thirty pairs, I would consider five and one-half pairs a year fair yield. A few odd selected pairs could be expected to go as high as seven pairs a year. At present writing I have five pairs left in a pen, having lately sold several lots out of this pen; these five pairs have ten young, six eggs and one pair driving. At this rate I figure that each pair is earning over two and three-quarter cents per day clear profit, assuming they will have equal good results in hatching and raising eggs now in nest.

From now on when the Maltese Hen really gets down to business, until moulting time, the Maltese will give any pigeon a good run for the money in producing pounds of squabs. Last July I had twenty pairs of White Maltese in the pen mentioned above and they turned out thirty-two squabs in that month.

I am of the opinion that there are two different kinds of Maltese Hens. One a good, and the other a very indifferent breeder. I know of several cases where they proved a total failure as money makers. About eight-

Save 1/2 On Your Incubator

MY new incubator, the Buffalo, fulfills the life-long demand of thousands of poultrymen for a standard Hatcher at a reasonable price. It offers all the quality of the best high-priced incubators, at half the price of any other incubator containing the Cyphers Principle.

Buffalo Incubators insure you big hatches of strong chicks that live and are easily raised to make money for you. The Buffalo is simply a wonder. You can't get a better incubator than the Buffalo no matter how much you pay.

— Note My Low Prices —

Offer No. 0—50 to 60 Egg Size, Ship. Wt. 65 lbs. \$10.50 | Offer No. 2—220 to 240 Egg Size, Ship. Wt. 130 lbs. \$19.00
Offer No. 1—110 to 120 Egg Size, Ship. Wt. 90 lbs. \$14.50 | Offer No. 3—340 to 360 Egg Size, Ship. Wt. 160 lbs. \$24.00

My Brooder Prices Are Equally Low

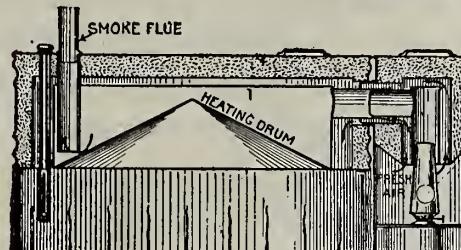
Something New in Hovers

Buffalo Handy Hover \$8 — Buffalo Home Hover \$7

The Buffalo "Handy" is a floor level hover—sanitary—perfectly ventilated—heats easily—uses little oil—flame can be seen without stooping. Send postal for fuller description, or better, send along your order before we are over-sold.

CHAS. A. CYPHERS, President

Buffalo Incubator Co., 478 Dewitt St. Buffalo, N. Y.



Buffalo Handy Hover—100 Chick Capacity

WOLF CREEK POULTRY YARDS

Breeders of Exhibition

BARRED PLYMOUTH ROCKS

Write for Mating List and Show Record. Satisfaction Guaranteed.

M. H. SMITH, Proprietor

ABINGDON ::::: VIRGINIA

teen months ago I bought half-a-dozen youngsters about three months old, from a party who was disgusted with the Maltese Hen. They were of the long neck and long leg show type and birds of good style. So far they have not done anything to warrant increasing their number or to pay their feed bill. This particular case may be an exception. I would be pleased to learn of the experience of others with this type of Maltese Hen. I can highly recommend the Maltese Hen cock mated to a Carneaux Hen, (have never tried the reverse) for producing squabs. I have never raised any of these crosses, so cannot say what the second generation would do; but in every case the Maltese-Carneaux squabs were large and had the full

breast of the cock bird. Where the Maltese cock was a blue-bar all the young came a poor black.

While this does not particularly relate to Maltese Hens, I would like to get a few ideas about pigeons generally, out of my 'system.' We hear all breeds of pigeons condemned—and praised. Some one gets a lot of cheap birds from some one who is selling out for very good reasons, and he will tell you that that particular kind of pigeon is worthless. "He knows because he has tried them." People who have never kept but one kind will claim them to surpass all other breeds of pigeons as squab producers when they are not marketing four pairs of squabs a year for every pair of breeders they feed, and most of what they do raise, come from about half of their flock. The balance are drones. Because some few pairs lay twenty eggs a year they will claim an average of ten pairs of squabs for that kind of pigeon.

I feel very sure that some reader of this article will hold a far different view about Maltese Hens, and I most sincerely hope that we may hear from them giving a true account of their experience with this grand bird.—L. N. Lafreniere, Vineland, N. J.

Norris' S. C. Buff Leghorns

Augusta, Ga., 1st young pen; 1st pullet; 4th hen. S. I. P. A., Atlanta, Ga., 1st old pen; 3d hen, 3 entries. Louisville, Ky., 1st old pen; 1st young pen; 1st pullet; 1st hen; 4 entries. Indianapolis, 1st old pen; 1st hen; 2d pullet; 3 entries. Thorntown, 1st four ribbons in every class. Eggs—\$10.00; \$5.00; \$2.50. Trap-nested.

C. V. NORRIS :: THORNTOWN, INDIANA

BEST IN VIRGINIA SINGLE COMB WHITE LEGHORNS

LAYERS and EXHIBITION

Stock, \$1.50 each, and up; Eggs, \$1.50, \$2.50 and \$5.00 per 15

W. R. TODD, 1504 3rd Avenue, Highland Park, RICHMOND, VIRGINIA

When fowls have the least indication of indigestion there is nothing that will right them quicker than a few ears of well parched corn. Let it be almost burned. The charcoal of it, together with the splendid condition of the food value of it, make it just hit the spot.

S. C. WHITE LEGHORNS

EGGS \$1.50 per 15—From as fine a strain of layers as could be produced after five years of culling.

EGGS \$3.00 per 15—From a selected yard, mated with a prize winning cock.

EGGS \$5.00 per 15—From high-class show birds that have won 26 ribbons in 45 entries. Supply limited.

No stock for sale. Price per 100 eggs on request. Satisfaction guaranteed.

ADAM FISHER

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CHARLOTTE, NORTH CAROLINA

More Money from Poultry

NOW is the time to get in the money-making poultry business with one of my Successful Incubators—only \$6.75 up. With the "Successful" no experiments or trial hatches are necessary—you can be sure of success every time.

SUCCESSFUL INCUBATORS

(Life Producers)

SUCCESSFUL BROODERS

(Life Preservers)

give most chicks—raise more chicks—and are guaranteed with the strongest guarantee ever put behind any machine on the market. Don't buy an incubator that guarantees less than I do. Send your name now for catalog, low price proposition, guarantee, and *Free Lessons in Poultry Raising* that insure success.

DES MOINES INCUBATOR CO.

364 Second St., Des Moines, Ia.

NOTE—Book "How to Raise

48 out of 50 Chicks", 10c—

Catalog is FREE. Get It.



\$6.75 and Up



35 VARIETIES

Chickens, Ducks, Geese, Turkeys, O. I., Hogs. Fine stock and eggs reasonable. Illustrated circular free. John E. Heatwole, Harrisonburg, Va.

"XX" EGGS

are the fertile eggs. Testimonials stating 100 per cent hatches from such eggs. 10 solid pages of testimonials! You can pick them all out BEFORE you incubate. Our free circular tells the whole story. Tester, with best instructions for incubation, \$2.00. 30,000 in use. Sent by registered mail. If not satisfied by March 1, 1914, money refunded.

MAGIC EGG TESTER WORKS, Dept. G.
Bridgeburg, Can. Buffalo, N. Y.

MAGIC EGG TESTERS

and up-to-date poultry supplies, carried by the OTTO SCHWILL & CO., Memphis, Tenn.

POULTRY CUTS THAT SELL

It is as important to order the proper cuts for your advertising matter as it is to select the proper strains for breeding.

We have spent years studying poultry retouching and engraving, and are the only firm in the country that make Breeders' Cuts Only. We also carry a complete line of "ready-made" plates at \$1.25 to \$3.50. Send us your photos for an estimate and write today for our free booklet, "Poultry Advertising."

BREEDERS' ENGRAVING COMPANY
Suite 519 I, Central Union Telephone Bldg.
INDIANAPOLIS, INDIANA

Our Breeders and Their Birds

By EDW. M. GRAHAM, Knoxville, Tennessee

If you are in the market for Black Langshan stock or eggs, you should look up the ad. of W. A. Meyer, Bowling Green, Mo., which you will find in this issue. His hen, "Miss Champion" has been exhibited eight times, and she won seven times under seven different judges. This certainly is a fine record. Write Mr. Meyers for his mating list.

We invite your attention to the ad. of J. H. Lewis & Sons, Cadiz, Ohio, which you will find on another page. They breed Golden Barred and Partridge Rocks, Emden Geese, and make a specialty of ducks, breeding the Crested White, Buff Orpington, Ancona and White Indian Runner Ducks. If interested in any of the above varieties write for their mating list before you place your order.

Monte Vista Poultry Yards, Greenville, S. C., of which Mr. C. H. Yates is proprietor, sends us their mating list describing their fine White Leghorn Bantams. Mr. Yates' birds has a nice list of winnings to their credit the latest being 1st cock at Atlanta, Ga., 1912. Read his ad. in this month's issue. Mr. Yates is an enthusiastic fancier and was recently appointed State Secretary of the National Bantam Association.

If you want winners that will produce eggs, or eggs that will produce winners, don't fail to read the display ad. of C. V. Norris, Thorntown, Ind. Mr. Norris breeds the celebrated S. C. Buff Leghorns, and they have a long string of ribbons to their credit, obtained at some of the leading shows throughout the country. Mr. Norris has been a successful breeder for the past eight years, and knows how to attend to your wants. Write him.

In a recent letter to us, N. B. Spearman, Ida, La., breeder of S. C. Brown Leghorns writes: "This season I won at three shows—Memphis, Tenn.; Lake Charles, La., and Texarkana,

Texas—twelve firsts out of the fifteen, (just four times as many firsts as all competitors combined) and the three silver cups I was showing for. I am breeding that real highest quality, the kind that when you send to any show will bring home the prizes you wanted to win." See Mr. Spearman's ad. elsewhere in this month's issue of The Hen.

The ad. of Chas. G. Fuller, Bicknell, Ind., breeder of Bluestone strain Barred Rocks, appears elsewhere in this issue of The Hen. Mr. Fuller has been engaged in breeding Standard Barred Rocks for the past five years, and has made a special study of the proper way to mate them for the best results. His birds are banded, trap-nested and toe-marked, thereby insuring against too close inbreeding. Read his ad. and write for mating list which he will be glad to furnish free of charge.

When it comes to looking after the wants of his customers, M. H. Smith, proprietor of Wolf Creek Poultry Yards, Abingdon, Va., is "right there with the goods." He breeds exhibition Barred Plymouth Rocks and has four pens of cockerel matings and two pens of pullet matings for this season's egg trade. He sells baby chicks, and also can supply White Indian Runner Duck eggs. See the ad. of Wolf Creek Poultry Yards in this journal before making your purchases.

H. L. D. Hughes, Danville, Ga., breeder of S. C. Black Orpingtons, S. C. Rhode Island Reds, R. C. Rhode Island White, Pit Games, Snow White, and Fawn and White Runner Ducks, writes us that he made thirteen entries at the Florida State show, Jacksonville, last January, and won 7 firsts, 3 seconds, 1 third and 1 fourth; also the Cook cup for best Orpington in the show. Mr. Hughes has some fancy birds, and it will be to your interest to read his ad. in this month's Hen and write him before you buy.

It gives us pleasure to call attention to the display ad. to be found in this issue, of The Densmore Poultry Farm, Incorporated, R. F. D. No. 3, Roanoke, Va. This progressive firm breeds only S. C. White Leghorns, and for ten years Mr. W. H. Densmore, of this firm has made a special study of this breed, and his success has been more than he anticipated, as shown in the quality of stock and the egg pro-

BABY CHICKS

M.F. & H. 200 EGG STRAINS M.F. & H.

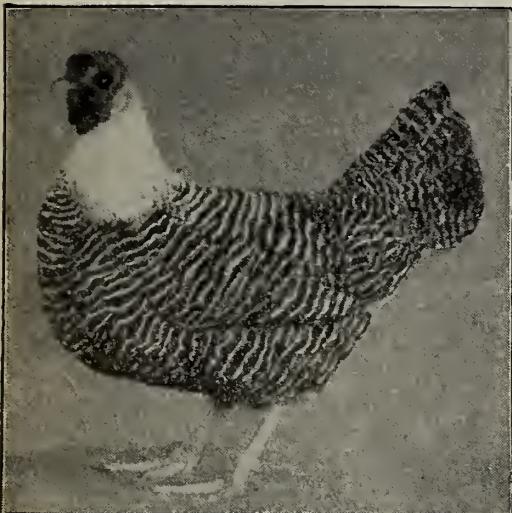
Midlothian Strains are the best laying strains of S. C. White and Buff Orpingtons, White and Barred Rocks, Single and Rose Comb, Rhode Island Reds, White Wyandottes and S. C. White Leghorns. Our stock is TRAP-NESTED and BRED EXCLUSIVELY FOR EGG PRODUCTION. We have in our pens MANY CHAMPIONS from the Missouri Egg-Laying Contest, including "LADY SHOWYOU," with record of 281 eggs. Prices: Eggs, 10c., 20c. and 30c. Baby Chicks, 20c., 35c. and 50c. Stock, \$2.00 to \$15.00. Write for 48-page catalog describing "BRED TO LAY" and MOST SUCCESSFUL poultry plant in this country. WE TRAP-NEST 800 HENS AND PULLETS ANNUALLY. HOME OF THE INTER-OCEAN MIDLOTHIAN FARM EGG-LAYING CONTEST.

MIDLOTHIAN FARM & HATCHERY TINLEY PARK ILL.

EGGS AND STOCK

duction, which has been one of the main features. This firm has a well equipped plant near the city of Roanoke, at Washington Heights, and they have about 2,000 high-class birds on their place. They can supply your wants either for stock or eggs, and they guarantee the same to be as represented. Look up their ad., read it and then write them if it's S. C. White Leghorns you are looking for this season.

We wish to call attention to a regular poultry "crank"—S. P. Porter, of Mallet Creek, Ohio—breeder of Blue Bell strain Mottled Anconas and Snow-White R. C. White Orpingtons. Mr. Porter has been a chicken "crank" for many years, having caught the fever back in the eighties, and his physician has given up all hopes of his ever recovering from the craze. He has for free distribution



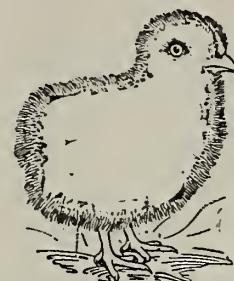
1st Prize Silver Campine Hen at Mansfield, Ohio, Imported by Mayradon Poultry Yards, Carey, Ohio.

a finely illustrated catalog and mating list, which you should write for if you are interested in champion prize winners.

In this issue of The Hen you will find the display ad. of H. E. Holloway, proprietor of Holloway's high-class breeding yards, Herscher, Ill. He breeds S. C. Rhode Island Reds, and has a few more pullets to sell, but cannot sell any male birds. Mr. Holloway will be glad to send you a copy of his mating list together with full information and photographs. Mr. Holloway informs us that he breeds quality, not quantity, and that his strain of birds become more perfect every year. He also informs us that he was unable to supply the demand for stock this year, but can take care of all egg orders promptly. Write Mr. Holloway before placing your egg orders.

Warner Lewis, of Como, Texas, breeder of S. C. Rhode Island Reds, informs us that The Industrious Hen's

S. C. WHITE LEGHORNS



FARM-BRED STRAIN—Bred with inborn tendency to lay—long, deep bodies, low tails, pure white, healthy, vigorous. Bred and fed on scientific principles; reared under natural congenial environments.

I have 200 breeders for quick sale at bargain prices. Cocks, cockerels and yearling hens.

EGGS—Remainder of season, half price.

CHICK-A-DEE FARM, J. A. Dinwiddie, Prop., NEW MARKET, TENN.

JONES' WHITE WYANDOTTES

Have proven their quality by winning at Jackson, Grenada, Holly Springs, Meridian, Miss., and Memphis, Tenn. this season. Eggs from these grand winners \$3.00 and \$5.00 per 15; incubator eggs, \$1.50 per 15. Write for illustrated mating list.

CARRINGTON JONES, Box H, HOLLY SPRINGS, MISSISSIPPI.

RICHARDSON'S ROSE COMB RHODE ISLAND REDS

MADISON SQUARE, BALTIMORE, PITTSBURG, HAGERSTOWN WINNERS
I won silver cup for best hen in show, at club meet in Pittsburg. Did you ever hear of a Red Hen making that win before? Also minor prizes. At Baltimore, first pen and minor prizes. Write your wants. Catalog. Member Red Clubs and A. P. A.

BABY CHICKS
M. C. RICHARDSON, Jr. + FRONT ROYAL, VIRGINIA

advertising columns were instrumental in placing some good sized orders for him recently. Robt. F. Demorest, of Starke, Fla., saw Mr. Lewis' ad. in the Hen and ordered 300 eggs and a pen of birds from him. Upon their arrival Mr. Demorest wrote Mr. Lewis, saying: "It is the nicest pen of Reds I have ever seen; hens all the same color. I admire the cock bird so much—shape excellent, size wonderful, color perfect. I don't believe there is a better Red living today. Being a breeder of Reds I know whereof I speak." This proves that Mr. Lewis has Reds of highest quality. See his ad. in this issue and write him.

We wish to refer our readers to the large display ad. of Bacon & Haywood, Guyton, Ga., to be found at the top of our fourth cover page. These gentlemen have just issued their 1913 mating and price list in which they give full information regarding their quality, vitality and utility S. C. White Leghorns, S. C. Buff Orpingtons, White Plymouth Rocks, S. C. Rhode Island Reds and Diamond Jubilee Orpingtons. This firm is prepared to meet all demands for eggs either from exhibition or utility matings, and we wish to say

THE SENSIBLE WAY TO MAKE HENS LAY, PLANT GIANT SUNFLOWERS

Heads from 12 to 72 inches, Nature's gift to fowls. Greatest Egg producing and condition food known. Try it! Secure shade, feed your Poultry Egg-Producing food, disinfect, and grow fuel all at one time. Reads like magic, but it is not, as all this can be obtained by sowing Grower Yoder's Giant Sunflowers.

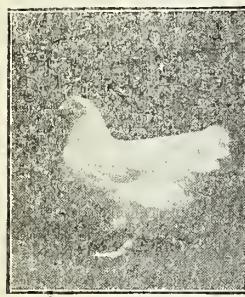
Postpaid Pkt. 10c, oz. 15c, 1/4 lb. 35c, 1/2 lb. 75c.

Sow that waste piece of ground with "Giant Sunflowers," and keep your fowls in prime condition. Remember "It's the fowl that lays that pays." You can make all yours pay. Write for catalogue and further particulars. It's free. GROWER YODER, Sta. H, B. 6, Romulus, New York.

EGGS—INCUBATORS—COCKERELS S. C. WHITE LEGHORNS

Four 160-egg Famous X Ray Incubators, almost new, \$10.00 each. Selling to make room for larger machine. Also thirty S. C. White Leghorn cocks one year old, \$1.50 each. Our stock comes from prize winners. If you want show birds or egg-layers, the healthy, vigorous, free-range, winter laying kind, now is your time to order eggs—eggs that will hatch. Our personal attention given to all shipments. HADEL POULTRY FARM, R. 2, Wrightsboro Road, Augusta, Georgia.

STONESTREET'S White ORPINGTONS and PARTRIDGE PLYMOUTH ROCKS



My birds are up to date and are now in my yard and customers reap the benefits of my years of successful work. At Nashville, Paducah, Shreveport and Columbus, Ga., in strong competition, open to the world, my birds captured ninety-nine prizes, including 21 firsts, 23 specials and 10 Silver Cups. Eggs from these champion birds are to be had at \$10.00, \$15.00 and \$20.00 per setting of fifteen. Unfertile eggs returned within ten days replaced without charge. I pay all express charges. Good utility stock always on hand.

Utility eggs, \$3.00 per setting, or \$20.00 per 100.

MRS. REGINALD STONESTREET :: :: **NASHVILLE, TENNESSEE**

Reference—First Savings Bank & Trust Co., Nashville, Tennessee.

that they are reliable in every way. Their birds win the blue wherever shown and if you are looking for eggs from birds of high quality, you should write Bacon & Haywood before placing your orders.

Fred S. Fletcher, 320 S. 59th St., Birmingham, Ala., is sending out his 1913 mating list, describing his superior quality, prize-winning S. C. Buff Orpingtons. He is prepared to fill egg orders promptly and with satisfaction to the customer. Read his ad. in this issue of the Hen and write him your wants.

If you are interested in Barred Plymouth Rocks and contemplate purchasing stock and eggs, you should write Blythe Bros., Frankfort, Ky., for their 1913 catalogue. They are breed-

ers of the Royal Blue and Latham Beauty and utility strains. This firm has six grand pens mated for the egg trade and guarantee a good hatch. See their ad. in this issue.

Do not fail to read the one inch three column ad. of Joe S. Burgin, Ellerslie, Ga., in this issue. Mr. Burgin shows a picture of "two of his young roosters" in the ad., one of which is not for sale. He breeds Silver Spangled Hamburgs and Indian Runner Ducks, and both varieties are great egg machines. Write him your wants if you are looking for high quality stock and eggs.

We are in receipt of a copy of mating list issued by Brook Lawn Poultry Yards, R. F. D. 2, Brush Creek, Tenn. Hoyal Johnson is the proprietor, and

(SOMETHING TO CROW ABOUT)

"HEN-E-TA"

About 30% Tri-Calcium Phosphate
Popularly Called BONE ASH

WILL MAKE HENS LAY	NO OTHER BONE NEEDED
WILL MAKE CHICKS CROW	NO OTHER GRIT NEEDED
ODORLESS	NO MORE BONE CUTTERS NEEDED
FREE	NO MORE BEEF-SCRAPS NEEDED
	NO MORE CHARCOAL NEEDED
	NO MORE OYSTER-SHELLS NEEDED
	100 lbs. - - - \$2.25
	500 lbs. - - - 9.00

Balanced Ration Formulas Free

If you will give us your dealers name and address.

HEN-E-TA BONE CO.
NEWARK, N.J. DEPT. 8 FLEMINGTON, W.VA.

is a very enthusiastic poultryman. Mr. Johnson has several pens of his high quality Buff Leghorns mated up for this season's egg trade. His birds have a long list of winnings to their credit. Read the ad. of Brook Lawn Poultry Yards in this issue of the Hen, and write for further particulars.

G. B. Moorhead, Lynchburg, Tenn., breeder of Buff Orpington Ducks, Partridge Plymouth Rocks and S. C. White Leghorns, has just issued his 1913 mating list, in which he states that he has ten pens of S. C. White Leghorns mated; also he can supply Buff Orpington Duck eggs, but can only spare one or two settings of eggs from his fine pen of Partridge Rocks. See his ad. in this journal and write him before placing your orders.

William Cook & Sons, originators of all the Orpingtons, Scotch Plains, New Jersey, have had a very successful show season, winning with their Orpingtons one hundred and thirty-six first prizes, and practically all these winners are in their best egg pens, which are of better quality than ever. Their first prize Buff Orpington cockerel at Madison Square 1913 is heading a pen, and eggs from his pen are \$20.00 a setting, the same as their best eggs. It was reported this bird was sold, but it is not so. Mr. Percy A. Cook reports that the demand for eggs is greater than ever this year, but with increased facilities, he is able to take care of egg orders promptly. This firm does not sell day-old chicks, as they believe it is more economical for their customers to purchase their eggs, results from which are absolutely guaranteed. The de-

SOUTHLAND'S CHAMPION White Plymouth Rocks

Have won all special prizes—more first and second prizes than all competitors combined at Atlanta, Ga.; Little Rock, Ark.; Memphis, Tenn., etc.

We have exhibited only at the South's largest shows where quality was high and competition keen, and have defeated exhibitors who have won the majority of prizes at other noted Southern shows, from Louisville to Texarkana and Jacksonville.

Eggs bought from me will hatch prize winners for you.

Eggs from the champions, \$5.00 per fifteen. Stock for sale. Safe delivery and a satisfactory hatch guaranteed.

MARTIN F. SCHULTES, Box 143 Albashire, BARTLETT, TENN.

SINGLE COMB RHODE ISLAND REDS

My mating for 1913 will consist of birds from First, Second, Fourth and Fifth pens Oct.-Nov., 1912, Georgia Poultry Association, Atlanta, Ga., and Third Pen Southern International, Dec. 16-21st, 1912, Atlanta, Ga., also pens headed by second cock and second cockerel. Eggs \$3.00, \$5.00 and \$10.00 per setting. Also stock for sale.

MRS. A. L. MATTHEWS :: REDAN, GEORGIA

Buff Ply. Rocks, 'Giant' Strain Bronze Turkeys, Indian Runner Ducks

Quality backed by years of careful breeding. Our birds are winners in our hands and customers at Louisville, Cincinnati, Chicago, Boston, Indianapolis and Atlanta. If you wish quality, combined with honorable treatment, we can fill your orders and at prices most reasonable. Stock in either variety mated, no kin, and in any number. Write for prices, etc.

J. C. CLIPP :: Box 700, Saltillo, Indiana

GABHART'S WHITE LEGHORNS

With ten years experience in line breeding this one variety, we feel our claims are entitled to your consideration. We have won at nine of the largest shows and 3rd in the International Egg-Laying Contest, Frankfort, Ky., 1912. Eggs now, \$1.00 per 15; 100 for \$4.00; exhibition, \$3.00 for 15; 100 for \$16.00. Mating list free. W. E. GABHART, Box M, Bohon, Kentucky.

mand for their new Blue Orpingtons is very large, in fact more than the supply.

For the benefit of those wishing to visit the Cook plant at Scotch Plains, N. J., Westfield, N. J., is the station to get off, on the Central R. R. of New Jersey, which is only eighteen miles from New York, and if they phone or write they will be met at the station. This farm holds the world's record for visitors. In one day last summer on one Sunday five thousand one hundred and two people looked over the place, and on a fine Sunday the average is over three thousand people. For the entertainment of visitors, besides the Orpingtons, animals of all kinds and ornamental land and water fowl are kept, all of which add interest to a visit to this interesting and attractive place. Last week one of the bears on the place got out of its cage at night and spent two days at liberty before Mr. Cook caught it; in the meantime the school children for miles around had two days rest from school until the bear was caught. A new incubator cellar with a show room on top one hundred feet long has just been completed on this plant. Mr. Cook states that the competition this season for \$50.00 cups he gives every year for his customers to compete for was keener than ever; one man won four of them, and several two each. The competition for these cups gives quite a little enthusiasm to people having their birds, and adds to the interest of raising Cook Orpingtons. Their catalogue with mating list will be mailed on receipt of ten cents, and mention this paper. Catalogue contains history of the origination of all the Orpingtons, on hints on poultry keeping, and is an attractive book.

KNOW YOUR CHICKS.

For this purpose, one of the best articles we know of is the "Money-back" Poultry Punch, so called because if it does not suit you in every respect, you can return it and get your "money back." It is strongly made, nicely finished and the leverage is such that it is very easily and handily operated. It is guaranteed to cut a clean hole of the right size, and best of all, you can see what you are doing, no guess work about the spot you are punching. It is made under the personal supervision of a practical poultry fancier.

Thousands of them are in actual use, but be sure and get the original one that is fitted and finished by expert workmen, and then has to pass three inspections before being sent out. They are mailed postpaid for 25 cents for plain finish or 35 cents for nickel plated finish. Address T. W. Rogers, Box H, Lamont, Iowa.

Before starting your machine that you ran last year, see to it that it is in perfect condition; that it is thoroughly clean and free from stale odors. It should be as fresh and sweet smelling as though it were new.

A poultry keeper should study the characteristics of his fowls in regard to what they need or like best as to food, and how much of it is necessary to keep them in good condition.

GREATEST MONEY MAKING CHANCE

Representatives Wanted in Every Section of the Country
Write for the Plan of the Co-operative Mail Order Enterprise

I TURNED \$100.00 AND AN IDEA INTO A REVENUE OF \$650,000 IN EIGHTEEN MONTHS
I PLACE THE SECRET OF MY WONDERFUL SUCCESS AT YOUR DISPOSAL. YOU CAN
WIN INDEPENDENCE, FORTUNE AND HAPPINESS JUST AS I HAVE DONE

Don't Let the Fear-Worm Harness You to Wage-Slavery for Life. Let Me Show You How the Mail Order Business Can Free You of the Slavery of the Pay-Check and Make You Your Own Boss

EXTRAORDINARY OPPORTUNITY

Through my Co-operative Plan and in addition to the MAIL ORDER BUSINESS of your own I give you a chance to

MAKE \$300 A MONTH

without Capital. Nothing to buy. Nothing to sell. No canvassing. Very easy and delightful. You can start day you hear from me.

Greatest Chance Ever Offered!

It is my honest belief that hundreds of millionaires will be created by the mail order business in the next ten years. Men working for a mere pittance today will in a decade rise to wealth and power through the wonderful possibilities of the mail order business which have been doubled by the introduction of the parcel post. The time for entering this wonderful business is NOW. This is the time for mail order success. Get in the swim before the opportunity is denied you. You can't win success and wealth by slaving for a miserable salary that is dependent on the whim and fancy of your boss. Don't grind your life, hopes and ambitions away for another man's gain. Be your own boss and have a business of your own that will make you independent.

IT IS THE POOR MAN'S BUSINESS

I will show you how even a poor man or woman, working for small wages, can start a mail order business in their leisure hours with very small capital. Just a few dollars will give you a start, and you can build this slender investment into a comfortable fortune. By my co-operative plan I will actually start you on the road to success. Thousands of wage-slaves, crushed under the heel of oppressive poverty, can win freedom from the galling yoke of the boss' iron hand and build themselves a business of their own which will pay rich returns in wealth, happiness and freedom from worry over the future of dear ones.

BUILD A BUSINESS OF YOUR OWN

I want to see representatives of my co-operative mail order course established in every section of this great country of ours. This is YOUR CHANCE, Mr. and Mrs. Worker. I will put you in the way of winning independence and success and YOU can learn how to launch a mail order enterprise with a TEN DOLLAR BILL. You don't need experience, expensive stocks, or office, or special knowledge. I furnish the experience. I show you how you can do business without capital on the money that your cash in advance orders bring you. I show you how you can start the mail and orders pouring into your little home and how to build up success.

WRITE FOR MY FREE MAIL ORDER BOOK

My FREE Mail Order book, "How to Achieve Mail Order Success," is yours for a postal card. Just ask me to send my free mail order book, add your name and address, and I will send it to you together with my great CO-OPERATIVE OFFER. This book will show you how to get a business of your own. I will give you full and complete instructions how to open, conduct and work into success a big mail order business of your own. I will show you the goods to sell, the sources of supply, the kind of advertising and letters to write to get business, how to make the goods and get the cash in advance; how to build up the business out of your profits, everything in fact that you should know to win success. Elaborate plans are worked out for you to the final degree, so that you have only to put them into operation. If you have goods of your own you want to merchandise; if you have recipes or formulae for goods you want to sell by mail; if you have anything you want to put before the public, my course of mail order instruction and my great co-operative offer will show you the quick way to success. If you need help in getting up advertising and selling plans, the skill that has made me known as the Wizard of the Mail Order Business is at your disposal to make you successful. I stand by you for one year and make you win.

HAVE NO FEAR OF COMPETITION

Don't be afraid of competition. There are NINETY MILLION PEOPLE in the United States, and 7,000,000 more in Canada, to whom your ads can appeal, and with such a clientele there is room for thousands of mail order merchants all over the country. More people are buying by mail every day. Opportunity is hammering at your door, don't turn her away without hearing what she offers you. WRITE TODAY. You may forget it tomorrow. Just a penny post card will bring you my wonderful book "How To Achieve Mail Order Success." Address, WALT C. CUNNINGHAM, President the Mail Order School. Suite 5805, Brecht Building, Denver, Colorado.

HOLLOWAY'S HIGH-CLASS SINGLE COMB REDS

WINNERS AT KANKAKEE, PEORIA, GALESBURG AND SPRINGFIELD

IT'S QUALITY WITH US AND NOT QUANTITY

Three pens mated for eggs and best I know of. All hens proved themselves breeders of blue. Eggs, \$10.00, \$5.00, \$3.00. Descriptive mating list free. Young stock after July 1st. Drop me a line and get acquainted. Orders booked and filled in rotation.

H. E. HOLLOWAY -:- Box 10 -:- HERSCHER, ILL.



A REMARKABLE 1913 CATALOGUE About HUNT'S EXHIBITION S. C. WHITE LEGHORNS

This Catalogue contains articles on when and how to feed, diseases and their treatment, and care of chicks. This catalogue is worth dollars to anybody breeding White Leghorns. Send 10c in stamps for catalogue at once. Satisfaction guaranteed or money returned. Stock, Eggs and Baby Chicks from prize winners.

HUNT'S POULTRY FARM

VALDOSTA, GEORGIA

I DO NOT BELIEVE IN THE ADAGE

"BE HONEST AND YOU WILL
BE LONESOME"

Therefore do not CLAIM to have
the best in the world, and all that
kind of stuff, but

I HAVE

Single Comb White Leghorns

GOOD ENOUGH TO WIN

17 firsts, 16 seconds, 5 thirds, 7
fourths, and 4 fifth prizes at the
following shows during 1912-1913: Charlotte, Statesville, Morganton, Hickory, Shelby, Henrietta.

Why Pay More and Get Less Value?
Limited supply stock and eggs.
Write quick.

W. B. BROWN, Statesville, N. C.

Poultry Shows and Associations

By EDW. M. GRAHAM, Knoxville, Tennessee

The next exhibition of the Maryland Poultry and Pigeon Association will be held in Baltimore, January 6-10, 1914. Prospective exhibitors should write Geo. O. Brown, Secretary, Baltimore.

A poultry exhibit will be held in connection with the Tri-State Fair and Exposition at Memphis, Tenn., September 22-27. This fair follows the Kentucky State Fair at Louisville, and precedes the Tennessee State Fair at Nashville. For full information address the Secretary, Frank D. Fuller, Memphis, Tenn.

The Jackson County Poultry Association will hold its annual exhibition at Murphysboro, Ill., December 16-19, 1913. Judge Joseph Dagle, of Richmond, Iowa, will place the awards. Ten silver cups and a large number of special prizes, aside from the regular premiums will be offered. For premium list and further information, write Jean Dagle, Secretary, Murphysboro, Ill.

The National Columbian Wyandotte Club has just issued its fifth annual catalogue and we are in receipt of a copy. The book contains eighty pages, and gives much valuable information of interest to club members, including a list of members, announcements of

the officers, several articles on the Columbian Wyandotte breeds, and the Constitution of the Club. D. Lincoln Orr was recently chosen president to fill the vacancy caused by the resignation of President Fenton. Mr. Orr is a man of ability and we predict for the Club a successful career under his leadership. The catalogue was compiled by the Secretary, Ralph Woodward, Grafton, Mass., to whom you should write for a copy.

The Greater New York Fair and Exposition will be held during the month of August, 1913, at Empire City Park, New York City, which is only twenty to forty minutes ride from a city of five million people, and within three hours ride of over ten million people. There will be three big poultry events held in connection with this great National Fair and Exposition. The Greater New York Fair and Exposition Poultry show will be held the week of August 4th-9th.

The Greater New York Fair and Exposition Pigeon show will be held the week of August 11th-16th.

The Greater New York Fair and Exposition Bantam show will be held the week of August 18-23.

Breeders and exhibitors in every part of the country should make a note of these dates, as there will be no other State Fair held during the progress of this show. A winning at New York is a valuable asset, and from all indications these three events will be the biggest exhibitions of their kind ever staged in this country. Full particulars in next month's poultry journals. Address John A. Murkin, Superintendent Poultry, Nashville, Tenn., for further information.

THE SOUTHERN PLANTER

The South's Oldest, Largest and Best Farm Magazine, and THE INDUSTRIOUS HEN, both one year for 50c.

INDUSTRIOUS HEN CO., Knoxville, Tennessee

IMPORTED

PURE WHITE INDIAN RUNNER DUCKS. The greatest money makers of all. Eggs for hatching. Write for literature and prices.

BUCKEYES

BEAT THE BAND FOR BEAUTY AND BUSINESS BIRDS. Finest Winter Layers. Eggs for hatching. Write for pamphlet and prices. It is hard to get the White Runners with good type. MINE HAVE THE REAL RACY RUNNER TYPE. The Buckeyes will be extensively bred when their many good qualities become well known. I have the best of both breeds. Let me book your orders early.

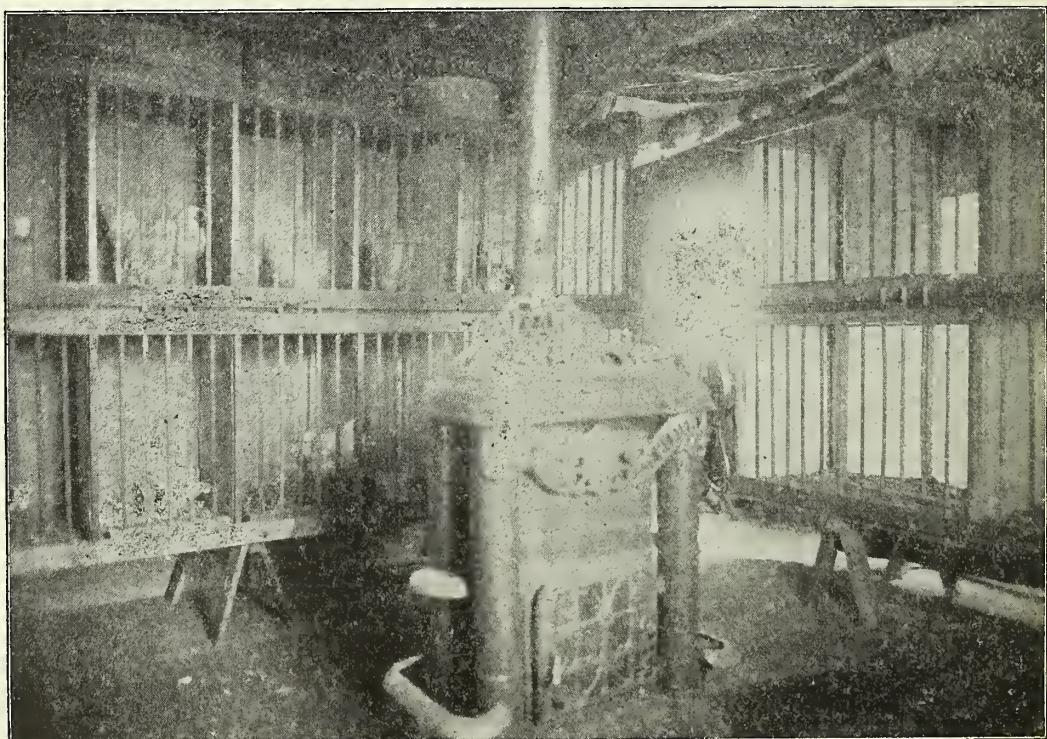
L. A. HOCKERSMITH,
Benton, Arkansas.

Poultry Cuts That Sell

There is as much importance attached to buying the cuts that are to go into your Catalogues and Advertising as there is in selecting your strains for breeding.

We are the only firm in the country specializing on Breeders' Cuts only. We have spent years studying stock engraving and stock photograph retouching. Write us for our free booklet, "Poultry Advertising," and other information.

BREEDERS' ENGRAVING COMPANY
Suite 519 1, Telephone Bldg, Indianapolis, Ind.



SCENE AT ALDRICH POULTRY FARM, COLUMBUS, OHIO

Poultry Disease Department

By J. A. THORNHILL, Hartselle, Alabama

Q.—Will you please give me a remedy for canker?—R. L. Y., Georgia.

A.—Remove the cancerous growth and sprinkle finely powdered burnt alum over the surface of the sore. Finely powdered permanganate of potash is also good, applied as directed for the alum.

Q.—Please send me a little information on fowl diphtheria. I have lost one hen and discover the disease among others. It is a hard, white crust in the mouth; some of the places are as large as a grain of corn; they can't eat, but can drink with difficulty.—R. L. W., Georgia.

A.—Give your birds a reliable roup cure as directed. Remove the scabs from the sores in mouth and apply with a swab tincture of chloride of iron. Two or three applications, 15 to 25 hours apart, will usually effect a cure.

Q.—My hens are healthy and seemingly should be laying, but I do not get any eggs. I noticed somewhere that hens wouldn't lay if fed turnip tops. Mine run where they can eat all of these they want. Do you think that is why I get no eggs?—Subscriber, Mississippi.

A.—There are many reasons why hens do not lay, but when they are healthy and all that nature demands has been complied with, there is no reason why they shouldn't lay. Why it is, I do not know, but turnip tops prevent hens laying. If any of our readers have experience to the contrary we would like to hear from them.

Q.—I have 53 chicks that were hatched in January, which were doing fine up to a few days ago, when I noticed that one couldn't eat, and upon examining it found that its mouth was full of sores and a slimy, watery substance ran out of its mouth. Now several are affected. I feed chick food, give fresh water and keep their quarters clean. Kindly tell me what the trouble is and send me a cure.—E. G. C., Ohio.

A.—Your chicks have indigestion. Give them liver medicine. Get some powdered charcoal and mix it in a little mash and give them. Into each quart of drinking water put ten drops of carbolic acid. Give them all the succulent green food they will eat. Do not feed at a time more than the chicks will clean up in a few minutes. Do not neglect the grit. In most cases where indigestion prevails grit is lacking. Grit is to poultry what teeth are to other stock.

Question.—I have a disease among my chickens that for a better name, I call "sore head." The head gets sore,

comb, wattles, and in very bad cases the eyes are affected. I first thought it was colds or roup and have given all my fowls salts; greased their heads with a mixture of kerosene oil and vaseline. Have not lost any yet. What is the trouble? Can you send me a cure?—E. L. G., North Carolina.

Answer.—Hardly think that your fowls have roup. The trouble affecting the head adjuncts is "chicken pox," or, as you term it, "sore head." The cause of this trouble among our Southern poultry is, a fungus multiplies in damp, mouldy litter and in places where filth is allowed to accumulate, and during damp or dusty weather these minute germs become attached to the fowl's system and show the results of their work on the head parts and often the entire body. The remedy you used is a good one. Salts given one day and sulphur the next, one tablespoonful to ten hens, is also good. Any good germicide will destroy the germs attached to the sores on the head, and by greasing them with vaseline, to which has been added carbolic acid, they will heal. To avoid the disease, keep poultry quarters clean; feed nothing but clean, wholesome food; occasionally give the salts and sulphur and keep the bowels open and the liver active by feeding green food that is tender and juicy.

Q.—Out of 148 chicks hatched during January I only have 59 left. They had some kind of bowel trouble. They were all healthy, ate heartily and did nicely for two or three days, when they began to get sick, droop around and would finally die. Can you give me any information that will help me with my next hatch?—J. C. Z., West Virginia.

A.—Your trouble depicts that of many who are in their first years of experience in poultry culture, especially with the hatching end. That your chicks were healthy and did well for several days is proof that you managed your incubator well. You no doubt let the chicks get chilled in moving them from the incubator to the brooder, or you fed them too soon, or the heat in the brooder was kept too high. There are many things that will bring about the trouble you complain of. Many times beginners pay too close attention to their chicks, which produces trouble. The eggs should be selected from healthy breeders, then incubated as nearly like nature as possible, the chicks judiciously fed, housed and compelled to exercise. The runs and roosting quarters should be kept clean and all else done that will tend to maintain health and comfort.

LOOK AND LISTEN

Royal White Cornish Games, winners everywhere shown; cock weighs 10½ pounds, hen 8 pounds. White African Guineas, Single Comb White Leghorns, blue ribbon winners; Snow White Indian Runner Ducks, winners everywhere shown; English Penciled, and Fawn, and White Indian Runners; select ducks for sale. Eggs for hatching a specialty. Write your wants.

MRS. A. S. GORRELL, Morristown, Tennessee.
R. F. D. No. 1, Box 15C.

Poultry Profits Doubled

CAPONS bring the largest profits—100% more than other poultry. Caponizing is easy and soon learned. Capons sell for 30c. a pound, while ordinary poultry brings only 15c. a pound. Progressive poultrymen know these things and use

PILLING CAPONIZING SETS Sent postpaid, \$2.50 per set with "Easy-to-use" instructions.

We also make *Poultry Marker*, 25c. *Gape Worm Extractor*, 25c. *French Killing Knife*, 50c. Booklet, "Guide for Caponizing," FREE. G. P. PILLING & SON CO., 23d & Arch Sts., Philadelphia, Pa.

Start Your LITTLE CHICKS on **Succulenta Water** And Watch Them Grow!

Better and cheaper than GREEN FOOD! Sample can (100 large tablets) by mail 50c. Drop postal for particulars to The Succulenta Co. P. O. Box 405-25 Newark, N. J.

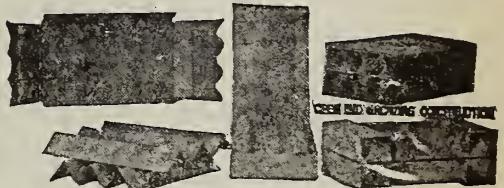
FARM FENCE

11½ cts. a rod
171-4c. a rod for 26 in. high fence.
281-2c a rod for a 46-inch heavy poultry fence. Sold direct to the farmer on 30 Days Free Trial. Special barb wire, 80 rod spool, \$1.55. Catalog free.
INTERLOCKING FENCE CO.
BOX 38 MORTON, ILLINOIS

BROWN POULTRY FENCE

STOCK STRONG-RUST PROOF
Costs No More Than Netting yet will last five times as long. Made of extra heavy double galvanized, Rust Proof wires. No top or bottom boards and less than half the posts required. Chick Tight—Bottom wires only 1 inch apart. We have 260 styles, also Lawn Fences and Gates. We can save you money. Send for Catalog.
The Brown Fence & Wire Co.
Dept. 37 Cleveland, O.
WE PAY THE FREIGHT

Buy Diamond Egg Carriers



It is a fact and not a boast that eggs get the maximum protection in the Diamond Egg Carrier. Order today. Sample 25c. 15-egg size, dozen, \$1.50; hundred, \$11.00. DIAMOND EGG BOX CO., 1104 New York Life Bldg., Minneapolis, Minn.

Greider's Fine Catalogue

and calendar of fine, pure-bred poultry for 1913. This book contains many pages of poultry facts, 70 different varieties, some shown in natural colors, all illustrated and described. Tell how to make pens, lay, raise and care for them, all about the famous Greider Incubators and Brooders. Shows photo of the largest poultry farm in Peru. Prices of breeding stock and eggs for hatching, and supplies within reach of all. A perfect guide to all poultry raisers. Send 10c for this noted book on poultry.

B. H. GREIDER, Box 101, Rheems, Pa.

GENUINE IMPORTED RUNNERSALL..... VARIETIES

We are direct importers of the true Indian Runner duck. We have the grandest pair of imported Fawn and White Runners in the United States that we imported direct, 1912. A limited number of eggs from this pen for sale. Your chance to get some of the finest Runners in the world. Won all firsts at the Appalachian Exposition, 1910 and 1911.

20 acres devoted to standard bred S. C. WHITE LEGHORNS and S. C. BUFF ORPINGTONS. Write for FREE CATALOGUE. The finest duck catalogue ever issued.

CLAYTON I. BALLARD

Box 71

WHITE PINE, TENNESSEE

EVANDALE FARM

White Indian Runner Ducks

A strictly choice flock of females mated to the first prize drake at Missouri State Show and the first prize drake at United Fanciers' Exposition, at Omaha. Eggs from this mating at \$3.00 per 12.

B. L. EVANS - SPENCER, INDIANA



INDIAN RUNNER DUCKS

The greatest layers on earth; 300 eggs per year. Send 10 cents for beautifully illustrated booklet No. 69 Tells how to raise ducks successfully. WOMAN'S COLLEGE, Meridian, Miss.

DUCKS

Buff Orpington Duck Eggs \$6 and \$8

Per Setting of 13. Guarantee prize winners from best eggs. Won Sweepstakes Cup from largest duck show ever held in United States.

MRS. W. B. FRANKLIN,
24 Whitehall St., Atlanta, Ga.



BARRED ROCKS

Send for my mating list giving winnings at Indiana State Fair and other shows. Several years breeding for eggs, trap-nesting and line breeding. Eggs, \$8.00 and \$5.00 per setting. Half price after May 1st.

CHAS. G. FULLER,
Box H, Bicknell, Indiana.

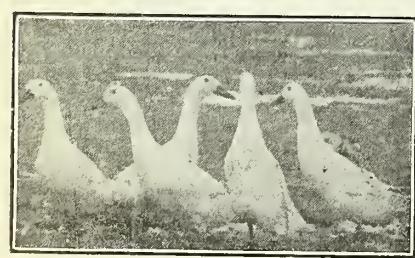
White RUNNERS - Fawn RUNNERS

Winners at Indianapolis, Columbus, etc. WHITE HOLLAND TURKEYS and BLACK ORPINGTONS. Our winnings prove we are at the top. Stock and Eggs.

RAY BOTTOREFF

Box 71

CORTLAND, INDIANA



RHODES' WHITE INDIAN RUNNER DUCKS

ORIGINATOR OF THE RHODES STRAIN

Great layers of large white eggs. Can spare a few choice breeders. Eggs, \$5.00 per 12.

MRS. A. N. RHODES

New Castle, Ind.

SNOWFLAKE WHITE INDIAN RUNNER DUCKS

MRS. E. E. ESHBACH

Box 71

1402 STURM AVENUE

Winner of First Ribbons at Great 1912 Atlanta Show
Prize Winners Always. Heavy Layers of Pure
White Eggs. Breeding and Young Stock for Sale

INDIANAPOLIS, INDIANA

IMPORTED WHITE INDIAN RUNNER DUCKS

I have imported direct from England a flock of **WHITE RUNNERS** from the fountain head of the best Runner blood in the world. I have also some of the finest specimens that America can produce; winners wherever shown; at Hagerstown, Richmond, Baltimore, Atlanta, Birmingham, Jacksonville, New Orleans, Columbus, Ga.; great layers as well as great winners. Eggs, \$3.00, \$5.00, \$10.00 dozen. I also have a yard of **WALTON'S PENCILED RUNNERS**, imported; extraordinary layers of white eggs. Eggs \$2.00 dozen straight. Circular free.

W. O. BROWNFIELD

==

OPELIKA, ALABAMA

of size would lessen its value as a general purpose bird, increasing its eating capacity, therefore, costing more to keep. Large birds being less active would not be as great foragers as the other kind. Knowing the facts about the English Penciled, they ever sought to bring them before the attention of the public, until as I before stated, by now every one knows that there is a great difference in Runners.

It seems too bad, however, for the American made Runner to be given a place in the Standard as "Indian Runners," thus usurping the true Runner's place. The American Runner would look better sailing under her own colors as an "American Runner" and have more friends than she has.

The English Runner is becoming more popular every day. The people are beginning to find out her worth and she is winning some of the best prizes at the shows. Mrs. Brooks writes me that the English Runner will undoubtedly be placed in the Standard soon and then the breed will be more popular than ever. Here's to her! (In cold water, of course.)—Mrs. Galvin Wilcox, Spencer, New York.

TRAITS OF THE INDIAN RUNNER DUCK.

Many predicted that the Indian Runner Duck would never enjoy any great extent of popularity over the first notoriety, but time has proven that each year calls for more ducks and eggs than breeders are able to supply. I saw and handled more Indian Runner Ducks last year in the show room than any previous year. One show we made last winter in Northern Indiana had more Indian Runner Duck entries than any other one variety. The display was wonderful. Every variety was on exhibition. The Fawn and White had the best of the display, with the pure Whites a close second, while the English was a close third. The English, however, were not of as good quality in this show as the other varieties, possibly due to having been exhibited by amateurs and the real quality of this variety not clearly understood. The English Indian Runners are of great merit and are becoming more and more popular. They are the true white egg Indian Runner. When you buy the pure English-bred Indian Runner, you are certain of obtaining a pure white egg strain. This, however, cannot be said of any of the other varieties. Many prominent breeders of some of the other varieties make great claims that their variety of Fawn and White Indian Runners lay a pure crystal white egg in every instance, but these claims, many of them, have been found misleading; such is not the case with the pure English Runners; this variety has never proven a disappointment only when some green egg strain of the Penciled,

Spain's Barred Rocks and Mammoth Bronze Turkeys

Which have won more first prizes in the State than any other exhibitor, and created such a sensation. At Lynchburg Poultry show: 1st pullet-bred; 1st and 5th pens, and silver cup best pen in the show, all varieties competing. Judge Kenner said that it was the "strongest class of B. P. Rocks that he had handled this season," and he had just judged Philadelphia show. Tidewater Poultry show, Norfolk, Va.: 3d cock; 2d hen; 2d and 3d cockerels; 1st pullet; 1st pen; 1st pullet-bred yard; 1st cockerel-bred yard, and special for best display in B. P. Rocks. Eggs, \$1.50 to \$5.00 per 15. My turkeys are champions of the State, winning every first. A few eggs to spare at 50c apiece.

E. C. SPAIN, - - - - -

Route 2, CHURCH ROAD, VIRGINIA.

WHITE RUNNERS OF QUALITY

PURE HERMITAGE STRAIN

In starting with this popular variety, I got the best stock and eggs that I could buy, and now have a flock of very choice, pure white, racy birds. I have stock hatched from the Hermitage Farm's prize winning pens. Eggs, \$3.00 per 12 straight. I also have Brown Leghorn and White Orpington (Kellerstrass strain) chickens. Both noted for their laying qualities. Eggs, \$1.50 per setting; \$2.50 per 30; \$3.75 per 45. Member National White Runner Duck Club.

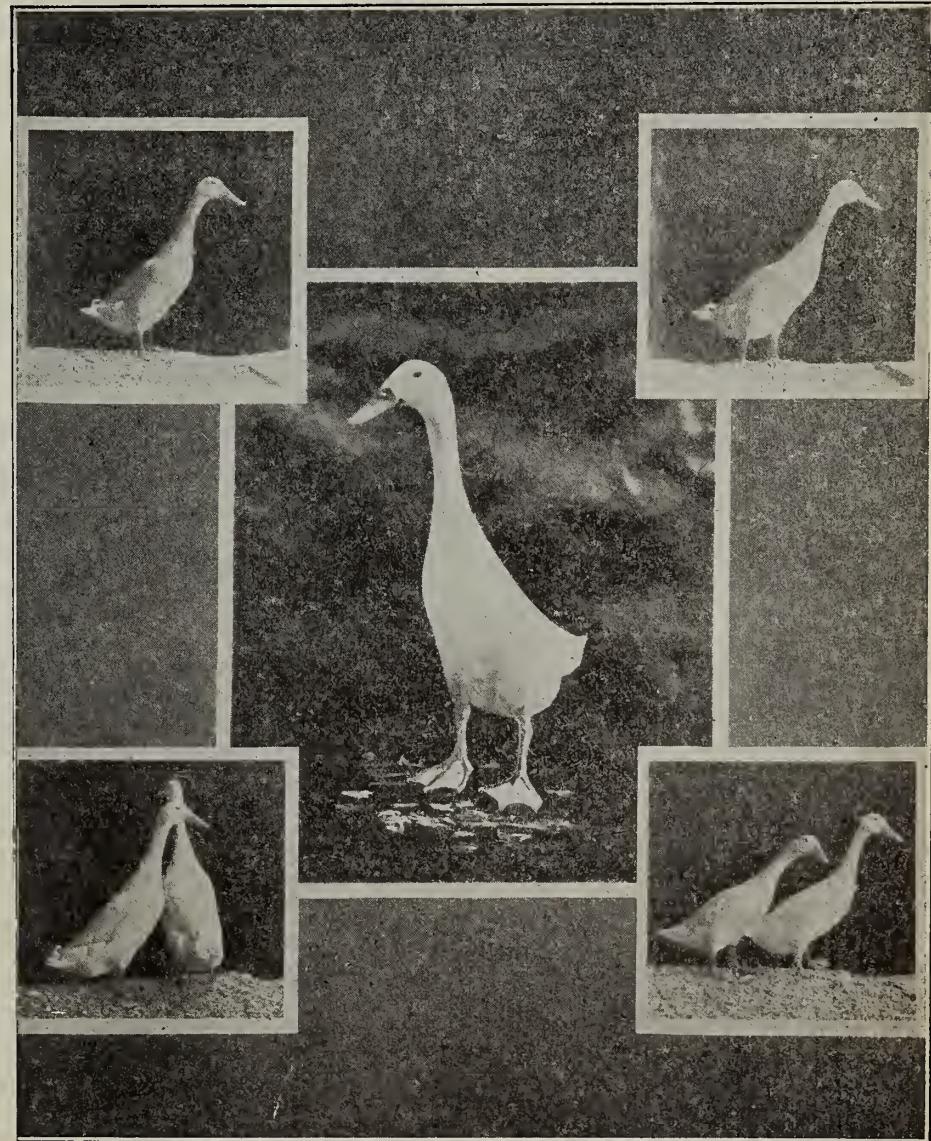
MISS F. K. WEISIGER ROUTE 6, PRESCOTT, ARKANSAS.

PURE STANDARD FAWN AND WHITE

INDIAN RUNNER DUCKS

EGGS ONLY FOR SALE—Booking orders for eggs now. Write for mating list. Winning at Armory show Louisville, Kentucky, December, 1912, 4th cock; 2d cockerel; 5th pullet. Indianapolis, Indiana, January, 1913, 2d cock; 2d cockerel; 1st, 2d, 3d pullet, and 1st pen. Cincinnati show, January, 1913, 1st cock; 1st cockerel; 1st, 2d, 3d pullet, and 1st pen.

JOSEPH BAKER, Route 1, EAGLE STATION, KY.



Winners at Hagerstown, 1912-13. Owned by J. C. Patton, Charlotte, North Carolina.

DUCKS--DUCKS--DUCKS

My string of winnings at the Alabama Poultry Show, December, 1912, where they displayed the largest exhibit of Indian Runners in America, speak for the quality of my flock. My Whites taking 1st and 2d hen; 2d and 3d pullet. My Walton Imported English Runners making a clean sweep of all the prizes except 3d and 5th hen. My Whites are direct from the Pacific Coast and winners at the leading Northern shows. Book your orders today. Start right as it takes quality to win.

Eggs, \$5.00, \$3.00, \$2.00 per setting; from the best in the land.

T. M. DYER -- 200 Emma Ave. -- **BIRMINGHAM, ALA.**

Shelley's White Indian Runners

Are the best in the South Central States, as my winnings at Tennessee State Fair (where I met and defeated some of the biggest breeders) will show. There is not a duck in my yards that would not do honor to any show-room. My prices for this high-class stuff are reasonable. Baby ducks and eggs at all times. If interested write me quick, for folder, prices and further information, and get started right. I also breed BARRED, WHITE and BUFF PLYMOUTH ROCKS, and BUFF COCHIN BANTAMS, of high quality.

C. C. SHELLEY -- **DECHERD, TENN.**

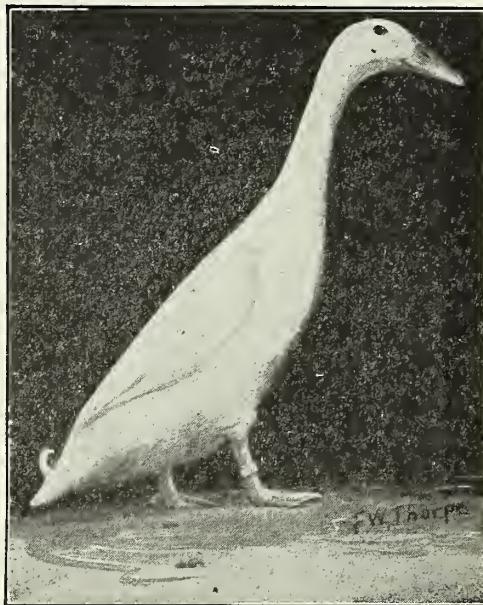
State Secretary National White Indian Runner Duck Club.

FAWN and WHITE RUNNERS

Pure white egg strain. Eggs, \$2.00 per dozen. Winners at Memphis, Jackson, Miss., New Orleans. **GEORGE A. WILSON, Jr.** Greenwood, Miss.

Fawn and White has crept into the breeding of the English unaware of the owner.

Some two years ago a very prominent breeder made the claim that his strain of Fawn and White Indian Runners never was known to lay a tinted egg. A lady of my acquaintance sent to this breeder for a number of eggs. The eggs she received were as fine crystal white as you ever saw. Fortunately this lady succeeded in raising the majority of the ducks that hatched. The hatch was good and when the ducks put on their mature plumage, I never saw a finer lot of well marked Fawn and White Ducks. Every section was distinct and almost ideal to the Standard. The ducks were admired by every one, but when they began laying, at least one-half of them laid green tinted eggs. Previous to their laying they were a "Thing of beauty and joy forever," but as soon as their eggs were produced their high merits faded into oblivion. In time I feel sure this green tint in their eggs will be eliminated, but as it now exists they are an "eye-sore." There are, however, a large number of Fawn and White flocks that lay comparatively few tinted eggs, but they are scarce and far between. The duck proposition is a profitable venture, however, and so far as the tinted eggs are con-



"Ikey," White Runner Drake, Bred and Owned by Mayradon Poultry Yards, Carey, Ohio.

cerned that will in time be overcome, making duck culture one of the leading features in poultrydom.

The English fanciers are now going one better on account of being able to guarantee a pure white egg strain. They are gaining more trade than our Fawn and White and White cousins, but with those that wish a fowl of

rare beauty the Fawn and White have them down and out in that respect. The English Indian Runners are a very beautiful fowl, but do not attract the attention of the real lovers of beauty like the Fawn and White Duck. The Crystal White Ducks are greatly admired by lovers of a pure white fowl and are claiming great popularity with all White advocates. It will be hard to ever produce a fowl that will exceed the Fawn and White for real beauty, but when it comes to eggs in great quantity and a pure white egg, then the English Ducks will claim the honor. Ducks, when carefully managed, are not hard to raise; they grow and mature faster than any other domestic fowl.

An ideal ration for young ducks we find is corn meal, wheat bran, mixed with skimmed milk. If they have fresh water and plenty of sand to eat, and a ration of mash as just mentioned four or five times a day, you will find them rapid growers and laying at five months of age. Many claim that the egg supply of the Indian Runner is greatly over-estimated or magnified. This may be so—I presume is—yet the pure English and many strains of the other varieties will outlay any fowl grown when fed and housed as they should be.—J. C. Clipp, Saltillo, Indiana.

THE CARE OF INDIAN RUNNER DUCKS.

Do not try to raise ducks with a hen. It is the best plan to take them from the hen or hatchery as soon as they are thoroughly dry. Do not feed for 24 hours; then give them the yolk of a hard boiled egg rubbed in bread crumbs with 2 per cent grit, moistened with warm water. Give them this mixture for three or four days, after this feed a mixture of 4 parts bran, 3 parts middling or cheap flour, 2 parts corn meal and $\frac{1}{2}$ part fine beef scrap. This is the regular food for the old and young ducks at all times. Keep before your ducks at all times fine grit and fine charcoal mixed. Do not allow the little ducks to get wet



until they are well feathered, but do give them plenty of clean, fresh water, about an inch deep always. If you will follow this plan you will surely be successful.—W. P. Ligon.

CARING FOR TURKEYS.

As the egg season is well on in most localities now, getting the eggs is a question of great concern to most people not equipped with pens. I have an enclosure of about one acre for laying pen. I use barrels for nests, as they can be purchased for 10 cents each from your grocer and they give better satisfaction than any kind of nest I ever used and the most economical. I have been using them about ten years.

I make nests about two weeks previous to the laying season and introduce them to their quarters by driving them in every morning and letting them stay two or three hours—sufficient to show them what I have prepared for them. If the instruction is pursued, more than half of your turkeys will lay in the pen without confinement. I consider confinement detrimental to the fowl and lessens egg production as well, and all breeders of any experience know this. I know all of my hens and the way I make the distinction is by making strong bands of different colored cloth, folded and stitched on machine and then tacked securely around the leg with strong thread. The bands should be wide enough so that you could tell by a glance which one it is. By watching them a few days you will know which are laying in the pen, and to the hen that persists in roaming and roving instinctively I allow her a few days freedom until her nesting place is well prepared; then I put her up in the barn or some out-house and keep her until about 2 o'clock p.m. They sometimes lay in the forenoon, but by watching them you can usually tell when they want to lay, as it's demonstrated by their restlessness, trying to get out. Let her out and she will go immediately to the nest. When the nest is found, just put two or three hen eggs in it and remove the turkey eggs—some trouble of course. You must be prompt in visiting this nest every day or something else will get the eggs for you. If dogs should molest it, as they often do, a little tartar emetic, say one-half of a teaspoonful to an egg, placed in nest at night, and if he gets it this will produce a nauseating effect that will ever

SNOW WHITE

Indian Runner Ducks

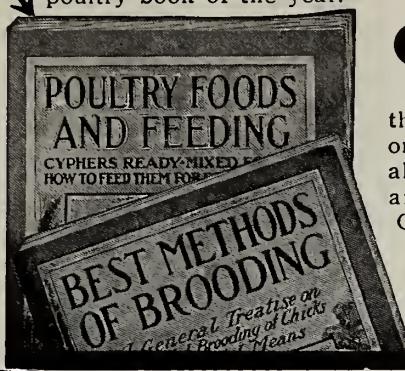
Patton stock, prize winners. None better. Eggs, \$2.00 per dozen. Fawn and White, all white eggs, \$1.00 per dozen. Mottled Anconas, Barnard strain of winter layers; eggs, \$1.00 per dozen. C. L. WHITNEY, Thomasville, Ga.

Three Great Books—FREE!

Poultry money-making time is now. This is the "Last Call" for the Cyphers Company's three great Free Books. They describe the best, proven-successful ways of producing, brooding and feeding healthy, profitable chicks. "Best Methods of Brooding" gives expert information as to proper care of young chicks, 52 pages. Fully illustrated.

"Poultry Foods and Feeding" gives you the benefit of all the valuable ideas proved on the Cyphers Company's own \$75,000 Experiment and Development Farm. 52 pages and all interesting.

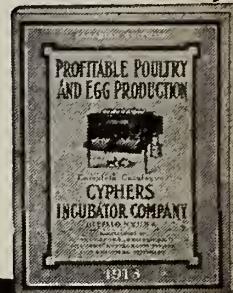
And the 244-page "Profitable Poultry and Egg Production"—greatest free poultry book of the year.



CYPHERS INCUBATORS and BROODERS

It will show you how you, like thousands more, can make money on poultry and eggs. It explains all about Cyphers World's Standard Poultry Equipment; about Cyphers Company's Foods and over 100 Standard Poultry articles. Write for the books today.

Cyphers Incubator Co.
Dept. 13
Buffalo, N. Y.



Buff ORPINGTON DUCKS--Partridge WYANDOTTES

Get Swaim's Strain and win. My customers have won at all the leading shows. At the late Indianapolis show, where the club met and where all the big breeders turned out, my customers won 1st cockerel, 1st, 2d, 3d, pullet; 2d hen; 1st pen and 3 silver cups. This was the greatest Buff Orpington Duck show ever held. If you want the best send for my fine catalogue and order some eggs. My Wyandottes won 1st cockerel; 1st, 2d pullet; 2d, 3d hen at Indianapolis, 1912, and 1st cockerel and 1st pullet at Atlanta, December, 1912.

B. O. SWAIM, Poultry Judge, Secretary American Buff Orpington Duck Club, Route 5, Zionsville, Ind.

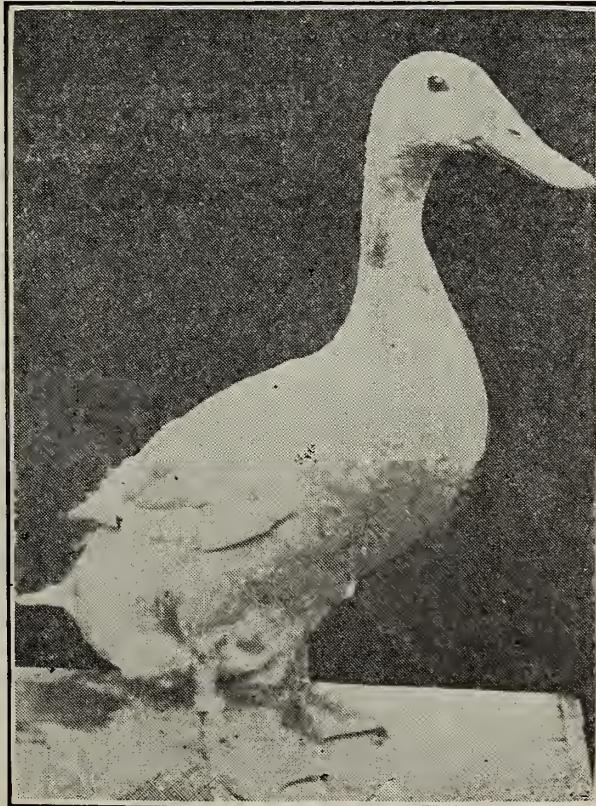
afterwards make eggs distasteful to him; however, do not forget to remove the egg in early morning or you might lose a fine turkey. Some of the things quoted may seem insignificant to the amateur, but the more experienced know that looking after the minutest details in the poultry business is what brings success.

To those that haven't any pens, I recommend putting a few barrels around near the house, making good nests, and put nest eggs in them.

Some of the turkeys will lay in them, but keep in mind you must know your birds to avoid unnecessary trouble in finding eggs. I breed the Mammoth Bronze turkey, exclusively, and consider them the most profitable for the farmer as well as the fancier, for we all want size. I have had one year's experience with the White Holland turkey and that was enough for me. Their roving qualities excel that of the Bronze during the laying season. I had always lived under that happy delusion that the White Holland hen was a domestic in her nature, especially during the egg season, but to my astonishment and disappointment, when the poult hatched and I wanted her to rove, she was a real nice old domesticated hen—right in front of the door all the time. I guess there are other breeders that have been more successful with this particular breed, but one year was enough for me.

I receive so many inquiries from people wanting turkeys and there isn't one in twenty that tell you where they saw your advertisement. This is a courtesy due the publishers as well as the one to whom you are writing. I was always impressed that editors, were always poor, but the breeders are all rich and everybody knows it, too. To prove it to you, I get: "Dear Mrs. W.: I want a bird that scores 95 points but I'm scarce of money now and I want him real cheap. Let me hear by return mail." "P. S.

"You know I can't afford to pay big prices." This class of people evidently have no con-



"Dixie Girl," Winner of First Prize Atlanta, Ga., Owned by G. B. Moorhead, Lynchburg, Tennessee.



Vigor—Big Hatches—Early Laying=Success

Your ability to succeed in the poultry business is measured by the vigor of your flock. Hereditary constitutional vigor is the one character above all others which your poultry should possess.

Yesterlaid Egg Farms are vigor specialists. They raise Superior Standard-bred White Leghorns by the thousands which are so rugged, lusty, and thrifty that their chicks inherit their constitutional vigor and hatch like popping corn.

They Lay—They Win. Yesterlaid breeders produce perfectly shaped, chalk-white, **big** eggs, their pullets lay early—at four months—in customers' hands. Yesterlaid Leghorns are exhibition fowls, too. Chicks hatched from their eggs win in the hands of customers; names on request.

The Yesterlaid method of selecting, mating and feeding their stock insures heavy laying and big hatches. The State Experiment Stations and other institutions recognize the superiority of Yesterlaid Leghorns. Fifteen Experiment Stations have bought Yesterlaid stock or eggs.

If you want Yesterlaid eggs that will hatch **big**, **husky**, **quick growing** chicks for you this season, order at once. Last season Yesterlaid customers had to "stand in line" and wait their turn for hatching eggs—the demand could not be fully supplied until almost June. Don't you be one that has to wait this season. **Place your order now.**

The liberal **YESTERLAID GUARANTEE** insures you absolute satisfaction.

Poultrology tells how to build hen houses; how to raise money-making, laying hens by the thousands; how to feed them to make them lay when the weather is coldest; how to house them successfully in big flocks of 500 to 1000; how to market eggs to get 60c a dozen when the market price is 30c. It tells how to mix rations that make chicks grow rapidly, that make hens lay, and that fatten broilers in 7 to 12 days. It tells how to pedigree poultry; how to make louse killer; how to preserve eggs; what it costs to feed a hen a year; how many eggs a hen will produce a year, and hundreds of other things you want to know. Price \$1.00, post paid.

WRITE FOR SPECIAL NEW CUSTOMER OFFER, WHICH INCLUDES "POULTROLOGY" FREE.

YESTERLAID EGG FARMS COMPANY :: **Dept. 55** :: **PACIFIC, MISSOURI**

Poultrology

This beautiful bound book contains 144 pages and 70 pictures drawings and plans.

Crystal White Orpingtons

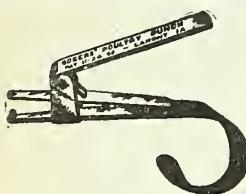
FOR SALE—Stock and eggs in season. Eggs from two good pens at \$3.00 and \$5.00 per setting. Our birds won the blue at Charlotte, N. C.; Charleston, S. C.; Columbia, S. C.; Chester, S. C.; Spartanburg, S. C., and wherever shown, we are among the winners. Lansden strain S. C. R. I. REDS. Write for mating list.

H. E. THOMPSON & SONS :: **2012 Marion St.** :: **COLUMBIA, S. C.**

IMPROVED SILVER CAMPINES

Bred from our original Importation and our Madison Square Garden winners. Eggs, \$5.00 for 15; \$10.00 for 50; \$18.00 per 100.

HILLCREST FARMS :: **Free Catalogue** :: **OAKFORD, PENNSYLVANIA**



ROGERS' POULTRY PUNCH

The only one that you can trade back for your money if not satisfied. Cuts clean hole, works easy and you can see what you are doing.

Plain White Finish.....25c

Nickel Plated35c

Mailed, postpaid. Thousands in actual use.

T. W. ROGERS.

Box H.

LAMONT, IOWA

BASS' WHITE INDIAN RUNNER DUCKS

I have as good a strain of **WHITE INDIAN RUNNER DUCKS** as there is in the country. Eggs for hatching from first-class stock. Price reasonable; orders booked now for eggs. Write me your wants. I make White Indian Runners my specialty.

F. M. BASS :: :: **DECHERD, TENNESSEE**

Member of White Indian Runner Duck Club.

ception of what high-class birds are worth. People cannot keep their stock bred up to the Standard and sell for small prices. You usually get about what you pay for and I think this can be well applied to the poultry industry. I think every farmer's wife should embark in the turkey industry; she will find it more profitable than chickens. Failures come to the best informed, but turkeys are easy to raise if the weather conditions are favorable. Rain and damp weather are disastrous to them and a good many die with the best attention of experienced people.

I trust that these gleanings of my 16 years experience may aid some one just blossoming into turkey culture.—Mrs. M. A. Walton, White House, Tennessee.

KEEP GEESE.

We have kept geese for a number of years and find they are easier to raise than either chickens or turkeys. They are very profitable when managed properly. They cannot be kept entirely without grain, but during the summer and autumn they will convert grass into money about as quickly as anything we know of. After the goslings get a start, they require very little grain until they are nearly half grown, providing there is plenty of pasture. When goslings are about half grown they grow their first coat of feathers. It is not a good idea to pick growing goslings, because it retards their growth. We refer to those intended for parent stock. Early-hatched goslings which are intended

for market are picked once, early in the fall.

We sold our crop of feathers last season for 75 cents per pound, right here at home, and they were mixed. White goose feathers always bring higher prices than colored ones.

Last season we hatched 96 goslings and raised 82. Not a gosling died of disease. Hawks took several while they were small and a number were killed after they were half grown, by foxes and turtles. Goslings are sure to wander away if they have free range. However, it is not necessary to allow geese or goslings to have their will of the premises. They are very destructive to growing crops, especially corn, when they have free range.

We raise the Toulouse. They make less noise than other geese and for general purposes they cannot be excelled. When a flock is once established, it is best to sell off the young stock every year, unless old and young can be kept separate.

As a rule, geese will lay more eggs if they are well cared for during the winter. Of course they can endure a great deal of cold and neglect as compared with other fowls, but it is a mistake to imagine that they need no protection in zero weather. If they have been accustomed to going without shelter, they will probably have to be driven to it, but they soon learn to go of their own accord.

Almost any house or shed will do. A dry shed that will give protection from wind, with plenty of straw or clean litter for bedding, will be all that they require in the way of shelter during the winter.

When no shelter is provided they will sometimes sit in the snow or anywhere that they have become accustomed to, but they do not enjoy it, in spite of the fact that they seem determined to stay there instead of where they should. The goose is a "creature of habit." Well-cared-for geese usually begin laying very early in the spring, or rather, the latter part of the winter. We never use the first eggs for hatching purposes, be-

cause they are very apt to have been chilled.

It pays to feed the geese regularly, when they cannot shift for themselves. They need both roughage and grain. Silage is said to be good for geese, but we have no silo and therefore have never tried it. But we feed cut clover, scalded and steamed, then mixed with bran and cornmeal or chop. Geese like sheaf wheat. They eat the heads, whole. When we feed whole corn, we put in a trough of warm water, when the weather is very cold.

Vegetables, either raw or cooked, mixed with ground grain, are always eaten with a relish, when green stuff is scarce. Geese need plenty of grit, such as oyster shell, broken sand-stone, coal cinders, etc. Geese should be housed and fed by themselves. —A. W. G. in Indiana Farmer.

THE GUINEA FOWL.

Guineas are becoming more and more popular each year. They are today one of the leading farm fowls. This is true because there is no better guard for hawks, thieves, etc., to be found than the guinea, with their quick, alarming cry.

There are several kinds of guineas, most of which are good, although I think the pearl guinea, or the old-time speckled guinea more desirable. Very little is seen in the press regarding guineas, and as I find that a great many are taking them up with little knowledge as to their care, I will give a few pointers concerning the care, hatching and rearing of these valuable farm fowls.

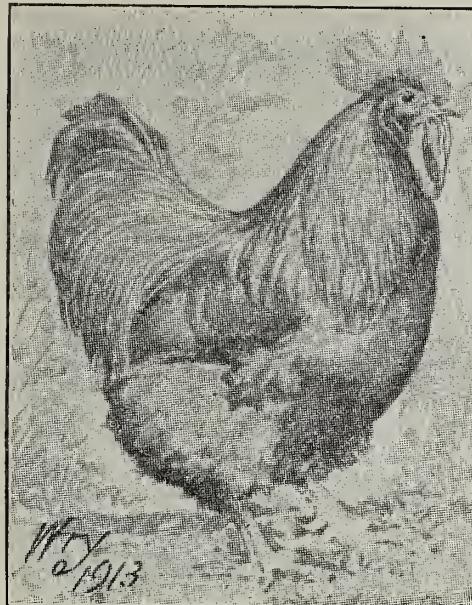
The best time to set guinea eggs is in the months of July and August. They do better at this time because the dews are not so heavy, and another reason is that they will come off just about the time grass seeds begin to ripen. In my experience I find that the common hen is far better to hatch and rear the guineas than a guinea hen. As a rule, guinea eggs are very fertile, and require four weeks in which to hatch. They should be set on the ground in a cool, dry place, where the water will not rise up under them. Care should be taken to keep the hen free from lice while she is setting, as lice or mites will kill a small guinea in a very short time.

After the guineas come off, they should be put in good, dry pen or coop. The coop should have a board bottom, so as to keep them dry, for dampness is very injurious to young guineas. It is best not to feed the guineas for about 24 hours after they are hatched. I find that the best feed for them is stale bread, boiled eggs, or something of this kind, crumbled fine and dampened with milk. They should be fed this kind of food for four or five days, five times a day, after which they should be gradually worked on to grain and other foods. After this I feed them practically as I do little chicks.

The most critical time in a young guinea's life is when they begin to send out wing feathers. Especial care should be taken not to let them get wet during this time. Do not feed too much, and look out for bowel trouble. Another good thing is to look

Sunny Brook Orpingtons

WIN at New Orleans, Dec., 1912



1st Prize New Orleans—Black Orpington Cock—Special Best Male

BLACKS—1st Cock and gold leg band for best Black male, 2nd Hen, 2nd Cockerel 4th Pen; 86 in the class.

WHITE—3rd Cock, 4th Hen, 3rd Pen in class of 84.

BUFFS—1st Hen and special best Buff female, 1st Cockerel, 3rd Pen; 65 in class. Every bird we showed in the ribbons but two.

This great winning, with our record of 9 firsts, 8 seconds, 9 thirds and many specials at the Birmingham shows, proves our claim of quality.

Get Your Foundation Stock From Sunny Brook Farm

No farm South shows a flock of such superlative type and color throughout. Nowhere else will you get so much of real quality for the price you pay. Five pens of Black, four Buff, four White. Eggs \$3, \$5, \$10 per 15; fertility running high, chix coming big and fine and healthy, just the kind to set you on the right road to Orpington success. Send for our handsome catalogue and mating lists.

Leghorns

S. C. White, S. C. Buff

Just as full of quality as our Orps, and great layers of big, white eggs.

Eggs \$3 per fifteen

Sunny Brook Farm

Walter K. McAdory

R. F. D. No. 4

Birmingham, Ala.

Don't let your chix die by White Diarrhea.

Send to us for Coleman's Famous Remedy, 25 cents. Sure Cure.

Eureka Roup Tablets 25c
Noxice Ointment - 25c

Ten White Orpington Cockerels \$5 each, best you ever saw for the price. Order today, for they'll go "sure as guns"

WHITE RUNNERS OUR WINNINGS

SOUTHERN INTERNATIONAL, ATLANTA, GA.—3d drake and 3d duck.
ASHEVILLE, N. C.—2d and 3d drake; 1st, 2d and 4th duck; also 1st pen.
SPARTANBURG, S. C.—1st, 2d, 4th, 5th drake; 1st, 2d, 3d, 4th, 5th duck; also 1st, 2d, 4th, 5th pen.
FLORIDA STATE POULTRY SHOW, JACKSONVILLE, FLA.—1st, 3d, 4th drake; 1st, 2d, 4th duck; 1st pen; also cup for best pen of ducks in the show, all varieties competing.

EGGS—\$8.00 per 12; \$50.00 per 100. 50 High-Class Drakes for sale.

BURNETT & CHERRY, Box No. 207, SPARTANBURG, S. C.

Prize Winning BUFF ORPINGTON DUCKS

I have the entire stock of BUFF ORPINGTON DUCKS of The Copperas Falls Farm, including their first prize winners at Nashville, 1912, State Fair; Memphis, 1912, Tri-State Fair; Chattanooga, 1912, and Atlanta. I will sell eggs from these fine ducks for \$3.00 per 12. I also have a pen of high class PARTRIDGE ROCKS, eggs, \$5.00 per 15; and a grand pen of WHITE LEGHORNS, eggs at \$2.00 per 15. Write for mating list; it's free.

G. B. MOORHEAD,

LYNCHBURG, TENNESSEE

Single Comb WHITE LEGHORNS, Single Comb BLACK MINORCAS
Single Comb BUFF ORPINGTONS, COLUMBIAN WYANDOTTES

Our birds have won many firsts and specials this season. If you want eggs that are sure to produce WINNERS and PROLIFIC LAYERS give us your order. WE GUARANTEE SATISFACTION. Eggs from Minorcas and Wyandottes at \$1.50, \$3.00, \$5.00 per 15; Leghorns, \$1.50 and \$2.00 per 15. We can spare a few eggs from a pen of Buff Orpingtons headed by a Memphis and Asheville first pen cock; this pen contains two fine imported females. Eggs, \$3.00 per 15. Give us a trial.

MOUNTAIN VIEW FARM, D. R. McBRAYER, Manager, MOORESBORO, N. C.

EGGS

\$3.00 }  Per 15
and
\$5.00 } 

From Chicago, Indianapolis, Cleveland and Atlanta Winners.

600 Premiums Won at Big Shows.

Free Circulars Tell It All To You.

E. E. CARTER

Department I. H.

KNOXVILLE :: TENNESSEE

Agents--\$10 a Day Easy

Selling our beautiful Religious masterpiece, "Christ at Golgotha." Sells on sight for 25c, your profit 20c. Sample picture and full selling plan for 15c. Circulars free. GROW-YODER CO., Dept. 2H, Box 88, Romulus, N. Y.

The Industrious Hen, Three Years Only One Dollar.

about the same amount of food as an ordinary chicken. They do not lay during the winter, but begin about the middle of April or the fore part of May. They will lay nearly every day from that time until well into November.

Guineas may live to be several years of age, but are not as much profit after the second or third years as they were before they reached this age. Guinea eggs can be readily sold at a good price, and for a market fowl they bring a big price in the cities. If you are troubled with hawks and the like, you should try a pair of guineas.—A. E. V. in Pennsylvania Farmer.

Write for this booklet

Range Raised Laying-Leghorns

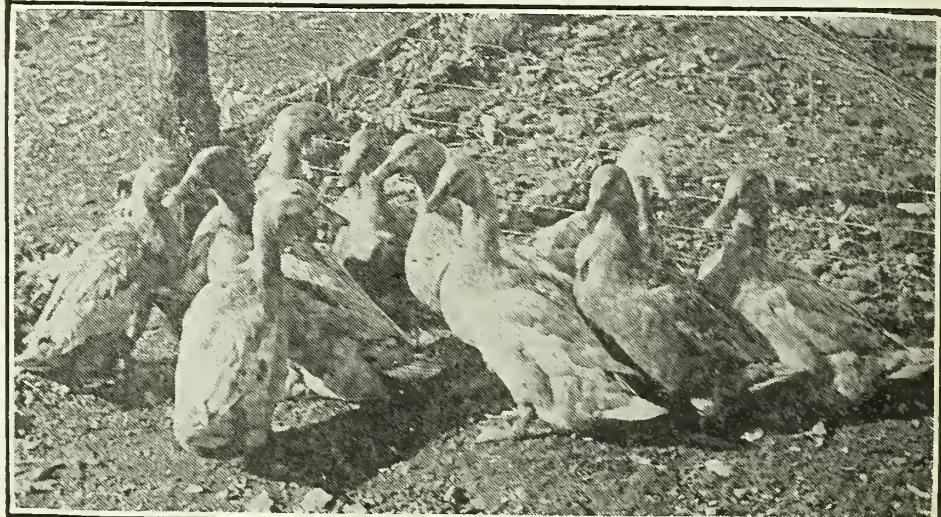
◎ ◎ ◎
The Story of a Market
Egg Farm Where The
Machines of Production
are Standard Bred
S. C. White Leghorns.

YESTERLAID EGG FARMS CO.
Pacific, Missouri.

It's free

Our Beautiful Free Booklet Gives the Story of Our Farm in Abridged Form.

At this time of the year nothing helps more in the work than a good mess of green cut bone, fresh from the butchers. And there is nothing that will go farther toward producing eggs for the cost of the material.



A Bunch of Prize Winners as the Camera Saw them. Owned by G. B. Moorhead, Lynchburg, Tennessee.

EGGS HALF PRICE

During the months of April, May, June:
\$ 3.00 per sitting at.....\$1.50
10.00 per sitting at.....5.00
A few thoroughbred laying pullets for
sale at \$1.00 each.
Order to-day; satisfaction guaranteed;
circular free.

J. H. HENDERSON
Knoxville, Tenn.

Breeder of Brown Leghorns since 1890.

Nature's Favored Poultry Country

THE poultry industry in the Southeastern States during the decade ending 1909, increased over 100 per cent and in that year was valued at over \$40,000,000.

The advantages of short Winters, with practically no temperature below zero; long, sunny growing seasons, affording generous crops of varied feeds and permitting outdoor life the year around, and the little capital required, due to cheap lands and small expense for houses, are reasons why men from other sections and people located in this region are rapidly engaging in the poultry industry in the Southeastern States.

Southern markets pay a higher proportionate price, considering the small production cost, for poultry products than Northern and Western consuming centers.

At several large producing points are located extensive packing houses which pay very favorable prices for both eggs and poultry.

There are many excellent locations in the States of Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Tennessee and Kentucky for poultry farms. We can furnish you with land lists and all necessary information.

M. V. RICHARDS, Land and Industrial Agt.
Southern Railway
Room 51, Washington, D. C.

WHITEWASHING

and disinfecting with the new
"Kant-Klog"
Sprayer
gives twice the results with
same labor and fluid. Also for
spraying trees, vines, vegetables,
etc. Agents Wanted. Booklet free.
Rochester Spray Pump Co.,
206 Broadway, Rochester, N. Y.

Specialty Clubs and Associations

As Reported by Their Secretaries

The National Columbian Wyandotte Club

This Club has just issued its fifth annual catalogue and it is a book that will prove very interesting and helpful to all Columbian Wyandotte breeders.

The catalogue contains 80 pages printed on the best of paper to show up the half-tone illustrations and text. It has, besides the list of officers and members, many valuable articles by prominent Fanciers, a full report of the Annual Meeting and list of awards of all club special prizes at last season's shows. Mr. D. Lincoln Orr of Orr's Mills, N. Y., is the new President, taking the place of Mr. W. G. Fenton who resigned.

The club has published its new and copyrighted Club Standard for Columbian Wyandottes. These are for members only.

The catalogue is free upon request. Address: National Columbian Wyandotte Club, Ralph Woodward, Sec-Treas., Grafton, Massachusetts.

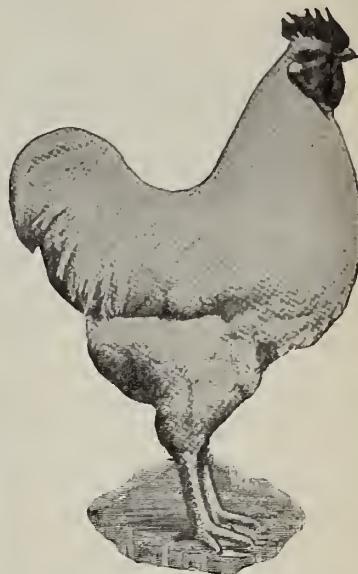
The American Columbian Plymouth Rock Club.

The regular annual meeting of the American Columbian Plymouth Rock Club was held at Philadelphia, Pa., in connection with the Philadelphia show, at which time the regular club business was transacted, various important matters discussed and the following officers elected: President—F. G. Bean, Collegeville, Pa.; Vice-Presidents—Dr. E. B. Kaple, Elbridge, N. Y.; F. L. Platt, Toledo, Ohio; Howard M. Munroe, Lexington, Mass. Secretary-Treasurer—D. Monroe Green, Waterville, N. Y. An elaborate new club book has just been issued by the organization. It is printed on heavy enameled paper, with beautifully imitation alligator skin cover. Contains an abundance of valuable articles and other information concerning Columbian Plymouth Rocks, together with original, life-like illustrations of prize winning specimens. Every person interested in Plymouth Rocks of any variety should read this book. It was issued at a heavy expense but a copy will be sent free to any one upon receipt of 10 cents to cover packing and postage. Send for one today. Address, D. Monroe Green, Sec., Waterville, N. Y.

The Rhode Island White Club of America.

This Club has its second annual year book ready to mail. The Club now has 156 members, representing 36 States and Canada. This book contains many items of interest to Rhode Island White breeders and each one should possess a copy. It is free to all members of the Club. Non-mem-

CHAMPION White Plymouth Rocks



1st Prize Cockerel—3rd Prize Cock

At Madison Square Garden, New York, 1912-13

This winning stamps our flock as one of the best in the world, and the undisputed Champions of 1912-1913.

At Chattanooga, one of the South's greatest shows held Dec. 16-21, 1912 we won every ribbon offered, all specials, and the following sweepstakes prizes, \$35 cup for largest number of prize winning birds, and the special for the best display in the whole show. Our S. C. White Leghorns are

BRED-TO-LAY

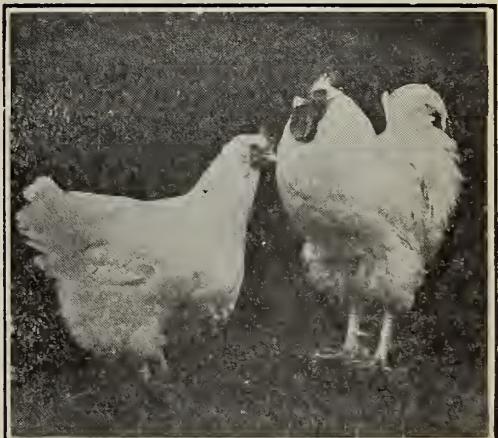
and they do lay. They are famous the country over for their great laying qualities. There are one thousand acres of land in the Shepherd Poultry Farm and the two breeds are kept strictly separated. Write for mating list. Correspondence solicited. Address

Shepherd Poultry Farm

Quintus Shepherd, Prop. E. C. Barnes, Mgr.

SHEPHERD, TENN.

THE SOUTH'S GREATEST POULTRY FARM



1st Prize Cockerel and Best Pullet at Birmingham, December, 1912

Eggs now $\frac{1}{2}$ price; also 25 W. O. Pulletts and 25 R. C. Red Pulletts at $\frac{1}{2}$ price, \$1.50 and \$2.00 each; a few Cockerels at \$3.00 and \$5.00 each; W. O. \$3.00 Eggs at \$1.50; \$5.00 at \$2.50; \$10.00 at \$5.00; \$15.00 at \$7.50. Rose Comb Reds \$3.00 Eggs at \$1.50; \$7.50 at \$3.75.

J. L. THORNTON

109 South 55th St., Birmingham, Ala.

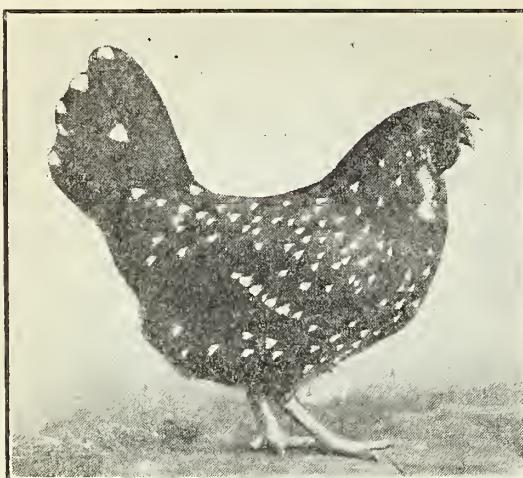


Figure for Profits in Poultry

Buy an Egg Machine and be the Engineer. The QUINTESSENT ANCONAS are the greatest profit getters, for they are the greatest all-round layers.

They drink more, eat less, lay more than any other breed.

QUINTESSENT ANCONAS

Winners at Madison Square Garden, Philadelphia, Baltimore and Atlanta. Catalog free. Express prepaid. Let us tell you all about it.

H. E. PORTRUM :: ROGERSVILLE, TENNESSEE

bers may obtain a copy by sending 10 cents to cover cost of mailing, to the Secretary. Or better, send \$1.00 for membership fee and dues to Nov. 1, 1913, and receive the book free.

For further information and application blank's write the Secretary, Mrs. C. M. Vertrees, Cecilia, Ky.

Rose Comb White Orpington Breeders, Attention!

Secretary Campbell assures us that when our club has 100 members the breed will be admitted to the Standard.

Every fancier of the Rose Combs is urged to join the club at once as the club catalogue goes to press at once and should contain the names of every possible member.

The dues are \$1.00 per year and Milton W. Brown is the secretary, Station L, Cincinnati, Ohio.

The grand showing at the shows of the country this year makes it certain that the quality and numbers warrant the hope of a popularity for the R. C. Whites not in any way second to the Single Comb Whites.

Those interested who do not yet breed R. C. Whites are invited to send stamp for club catalogue to the secretary.

Black Minorca Club Meet.

The nineteenth annual meeting of the American Black Minorca Club was held during the Poultry Show at Baltimore, Md., on January 1, 1913. It was one of the most enthusiastic and best attended meetings in the history of the Club and many important matters were discussed and some changes made in the by-laws. One new ruling was adopted, providing for election of officers by a postal vote similar to the method employed by the A. P. A., and one provides against the election of more than one officer or director from any one State or Province.

The Secretary invites all Minorca breeders to write him for farther information and he desires to correspond with Poultry Association Secretaries regarding the special ribbons the Club will donate to any show.

Marcus Allen Northup,
Sec.-Treas., Orangeburg, N. Y.

We are in receipt of the annual catalogue of the Rose Comb Buff Leghorn Club of America. The booklet contains much valuable information to breeders of Buff Leghorns. If interested write for a copy, addressing the Secretary, Howard J. Fisk, Falconer, N. Y.

S. C. RHODE ISLAND REDS BARRED PLYMOUTH ROCKS

Strong, well-marked farm-raised birds. Eggs—\$2.00 per 15. A trio of BARRED ROCKS for \$5.00 a pen; of S. C. REDS for \$9.00. These are the last birds I will have for sale till fall.

OAKLAND STOCK FARM
A. S. BELL, Manager, Route 13, KNOXVILLE, TENN.

White WYANDOTTES

Champions of West Tennessee. Six pullets, one male, \$15.00; cocks \$2.00 to \$5.00. Eggs \$3.00 per 15.

CRAWFORD LONG :: Route 2 :: JACKSON, TENNESSEE

Mottled Anconas

Again our Anconas win at the leading Southern poultry shows. Send your orders early for baby chicks and eggs for hatching.

Send for our 1913 mating list and prices.

RIVERVIEW POULTRY FARM

Barred Ply. Rocks

The kind that win and lay. None better for beauty and utility.

Send for our 1913 mating list and prices.

MORRISTOWN, TENNESSEE

To Buckeye Breeders.

Fellow Members and Breeders of Buckeyes:—In response to demands from many sources I hereby issue a call for co-operation in getting out a catalogue of our Club and breed. Have gathered data on the matter and find that we can get a book of about fifty pages, size 6 x 9 inches, five thousand copies for about \$160.00, and envelopes will cost about ten dollars more. The money to defray this expense must of course come from advertising. I strongly urge every one interested in our breed to take out as much advertising in the new catalogue as they possibly can. It will be a great help for the breed and for you. The books will be sent out only to those who are interested enough to send a stamp or two for it, thus insuring its getting into the hands of people who are prospective buyers and breeders, and Club members.

Every breeder of Buckeyes in the country should join the Club at once and get the advantages of membership. The Club is alive and working for the interests of the breed all the time. This season it has given seven silver cups and a hundred special ribbons at various shows, has induced numerous shows to offer cash specials on Buckeyes, has secured the insertion of good cuts of Buckeyes in the new Standard, has placed the affairs of the Club on a cash basis, with a small surplus on hand now; every letter has been promptly answered, special articles have been written for insertion in leading poultry papers, and other things too numerous to mention. The Club deserves your support and needs it. You need

the help of a strong Club just as much or more. The advantages are mutual. So send one dollar to the Secretary-Treasurer and be enrolled with dues paid until November 1, 1913. The small expense will come back to you many times in cash and information to be given out from time to time by Club bulletins as well as the Club catalogue.

All members will have their names and addresses printed in the catalogue free of charge. Advertising of Buckeyes will not be accepted except from club members. Those who have not paid up their dues to date are urged to do so at once in order to remain in good standing.

I ask also that you send in articles on Buckeyes to be published in the catalogue. Write about the breed, its points, history, your experiences, methods of caring and breeding, in fact anything of interest to breeders of Buckeyes. If you have any good pictures or cuts they will be extra welcome. Send your writing along and if necessary I will put it into shape. While you are about it just include fifty cents to pay for a cut of the Club emblem. It will greatly improve the looks of your stationery. The profit from the sales goes into the treasury and helps out just that much with the catalogue.

Let me hear from you at once saying just how much you will take in advertising, and send your articles. Do not send the money for the ads until notified to do so, which will be shortly before the catalogue is off the press.

Yours fraternally,
A. H. WEISBERG, Sec-Treas.

A WONDERFUL CHICKEN RANCH.

Down in South Central Missouri, Pacific to be more exact, there is a large egg farm entirely different from the ordinary poultry farm. The name of this place is Yesterlaid Egg Farms and it differs from other poultry ranches mainly in its method of housing, and methods of pedigree breeding for heavy egg production. Instead of using small colony houses, or long continuous houses made up of several pens they use a large two story, two roomed Hendwel which will accommodate a thousand hens together with the necessary male birds.

The Hendwels are so arranged that one man can very easily care for five of them. They are provided with cement floors and foundation and divided into two rooms. The partition through the center is double, so that it serves as an immense food hopper which will hold several tons of ground food, grain, grit and shell, so arranged that the hens can eat from it whenever they wish. The grain is drawn out and fed by hand in a deep litter of straw which covers the floor.

Each of these Hendwels is a complete poultry plant in itself. The attendant has to go through only two doors to do the work attendant upon the care of a thousand hens. The large downstairs rooms have windows on three sides, thus affording light, clean, airy places for the hens to work. Along the wall, about three feet from the floor, are located nests which can be closed after the last eggs are collected in the evening, thereby preventing the hens from roosting in them and soiling them over night. At the last feeding in the afternoon a folding stairway is let down in one corner of each room and the fowls go up to the second story to roost.

The second story is divided into two rooms and a central hallway. In the two large rooms, corresponding to the lower rooms are the perches. The central hallway is used for a feed storage and mixing room. The floor of this hall is provided with trap doors so that after a quantity of feed has been mixed it is only necessary to open the doors and allow it to fall into the hoppers.

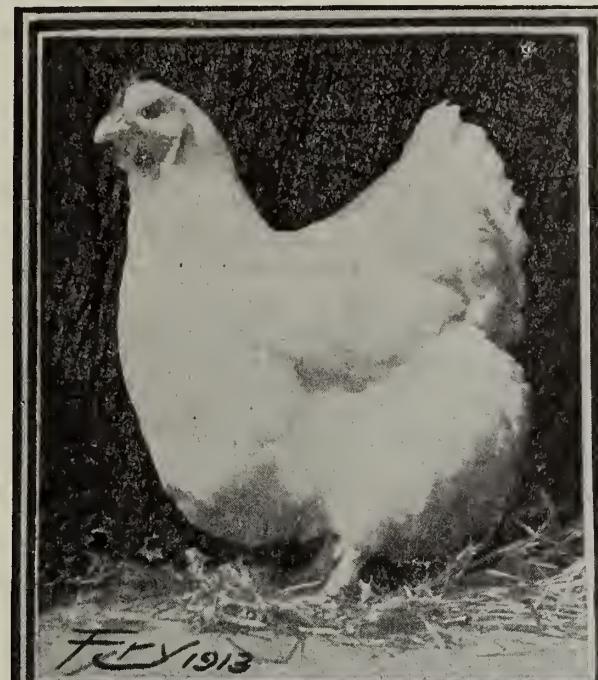
Great care and attention is given to the strict and regular performance of all work connected with each of these Hendwels so that the hens know at just what time they are to be fed and allowed to go to roost. The eggs are always collected at the same hour every day and in every way the hen's habits of life are regulated in order that she may produce the maximum number of eggs on the smallest amount of feed.

The flocks are carefully examined daily for any hens that may be slightly ill or indisposed and thus the vigor and sturdiness of Yesterlaid Range-Raised Laying-Leghorns is always kept up to the top-notch. No serious outbreaks of epidemics of disease have ever been encountered in these houses, due no doubt to this strict surveillance.

The Yards.

Although the hens have large fields, instead of small restricted yards, to range in, they seldom go very far from their own home because it is so much more comfortable in these light, airy

White ORPINGTONS



S.C. WHITE ORPINGTON HEN—FROM UNRETOUCHED PHOTO.— OWNED BY J.F. Hattemer, Ft. Deposit, Ala.

That Stay White

We offer you eggs from pen headed by absolutely Stay White male with five females, the kind you must have if you are to remain at the head in Whites. My birds will stamp your flock with Magnificent Type; notice the hen in the cut; she's just one of many good ones in our yards.

EGGS From These Line-Bred Stay White ORPINGTONS 15 for \$15

Our birds have won in six shows 8 firsts and 5 seconds, besides sweepstakes, specials, gold medals and lesser prizes. 46 prizes on a total of only eighteen entries. I make close matings, insuring high fertility as well as uniform type in the chix. From pens other than above, not more than five females in any of them. Eggs, \$1.00 and \$5.00 per 15. Write for mating list and catalogue.

We offer for immediate sale, 15 fine Cockerels, bred from our good ones, \$5.00 and \$10.00 each. A few good Pullets at \$5.00 and \$7.50 each. Big values for the money.

HATTEMER

White Orpington Farm

Fort Deposit -- Alabama

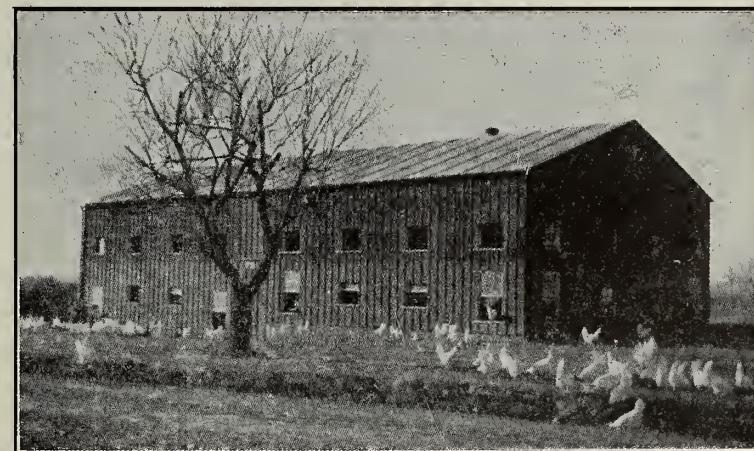
two story hendwels than it is even in the shade outside. Then, too, there is nothing for them to wander in search of. Every element of food which the hen requires is supplied to them regularly in abundant quantities—and the hens show their appreciation by laying in winter when the price of eggs is highest.

Visitors at the farm during hot weather frequently remark how few of the hens are out of doors during the heat of the day and ask if they are

mixed, and the water pumped by a gasoline engine. The water is piped from a central tank to every building on the farm.

The Breeders.

While most of the breeding pens are located in these large Hendwels in flocks of a thousand, there are other special breeding pens at Yesterlaid. The birds are judged, graded and selected into the following classes: Lay-many mating, perfection mating, super-superior mating, superior mat-



"Hendwel"—The House of a Thousand Leghorns.

not allowed to range at will. It is only necessary to take them into one of the cool, airy rooms, show them the hens lying around contentedly wallowing in the straw to make it clear to them that the hens are in doors by choice and not because they can not get out.

At Yesterlaid the attendants do only such things as cannot be done by power and machinery. The food is ground, the clover and alfalfa cut, the feed

ing, first-grade Standard mating, and second-grade Standard mating.

In the small matings a system of stud breeding is employed, the method of which is to keep the male bird separate from the flock and to keep the record of the sire and dam of all chicks hatched so that their ancestry can be traced and only those coming from sires with heavy producing dams and grand dams will be used.

In the Hendwels the females are



Eggs

You can't lose, if you buy eggs of us. We **BABY** guarantee the fertility of our eggs, also the **Chicks** quality of chicks hatched from them.

RHODE ISLAND REDS

Rose and Single Comb. We are going to guarantee the quality of chickens raised from the eggs sold by us this year. Send for our free Mating List. It will tell you more about the most beautiful and most profitable fowl in the world. Chicago, Indianapolis and New York winners head many of our pens. What 20 cents will do: It will get you the finest catalog ever issued of this breed. It contains many valuable articles on raising and caring for poultry in large and small flocks, also many valuable receipts for diseases of poultry.

Address

Buschmann-Pierce Red Farms, Box 60, Carmel, Ind.

DENSMORE'S Single Comb white LEGHORNS

WIN, LAY AND PAY

We guarantee the safe arrival of all chicks and replace all infertile eggs. A few choice cockerels and pullets for sale. Write for prices and mating list for 1913. 1,000 breeders.

THE DENSMORE POULTRY FARM, Inc. -:- ROANOKE, VIRGINIA



Mammoth Bronze TURKEYS for Sale

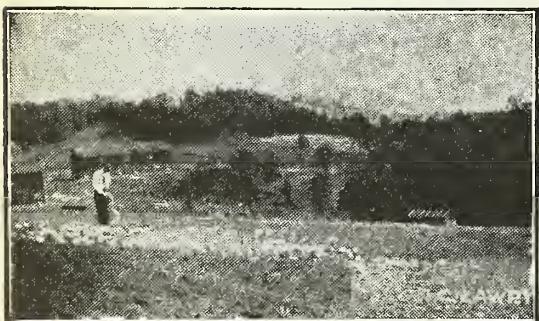
Old and young stock from two magnificent flocks, mated for largest size and best plumage. When buying be sure you buy the best. My breeding toms for six years have weighed from 43 to 50 lbs. at 18 and 20 months of age. Won many prizes in the leading shows, scoring from 96 to 97½ points. I can furnish you young stock that will grow that way for you. Do not delay buying your breeding stock early. Also Barred Plymouth Rock Chickens from the best prize-winning blood. Eggs in season. Member A. P. A. MRS. J. C. SHOFNER, Booneville Poultry Yards, Route 1, Mulberry, Tenn.

JEFFREY & HERVEY Raleigh N. Carolina

Specialty breeders of BUFF PLYMOUTH ROCKS, undisputed champions of the South.

Winning 1st cockerel; 3d and 5th hens; special for best male; Hagerstown, Maryland, Oct., 1912. 1st, 2d, 4th cock; 1st 2d, 3d, 4th, 5th hen; 1st and 4th cockerel; 3d and 5th pullet; 3d pen, Atlanta, Georgia, Dec., 1912. Show birds and great breeders for sale. Pen—1 male and 4 females, \$10.00. Write for 1913 mating list.

mated in the proportion of one male to ten females. This is a larger proportion of males than is ordinarily considered necessary, but it is felt that the small amount of extra feed required for the additional males is paid for many times over in the high and uniform fertility of the eggs at all seasons of the year. Eggs for incubation



Yesterlaid Chicks on Range. There were 1,200 in this Flock at the Time Photo was Taken.

have been taken from these large flocks during the moult season that were 90 per cent fertile and gave as large hatches as at other seasons of the year.

The Industrious Hen can supply you with any Poultry Book published.

Big White Eggs.

The flocks in all of the Hendwels are carefully observed for the selection of superior, vigorous females, showing evidences of unusual laying power. These are carefully handled and judged according to the American Standard of Perfection, and only those most nearly approaching its requirements are given a try-out for the pedigree breeding pens. These hens are put into a trap-nest house and trapped to make sure that they lay a large, uniformly-shaped large-sized (over two ounces), perfectly chalk-white egg. Otherwise she is discarded as a pedigree breeder, it matters not how well she measures up to the requirements for exhibition, nor how typical a Leghorn she is.

Another exacting qualification that is imposed upon females given a try-out for the pedigree department is that they must not only lay a large number of eggs in a year, but they must "lay best when the weather is coldest." That is, they must give an average of 33 per cent production for the winter months.

The males in all of the matings are Standard-bred males from good producing hens and when scored according to the American Standard of Perfection go above 90.

The male birds in the superior,

super-superior, perfection and lay many matings are all of exceptional exhibition quality, in addition to having come from trap-nested, heavy laying females.

All hatching is done by incubators. Only such chicks are taken from the incubator as have been able to get out of the egg without deformities or weaknesses of any kind.

The chicks are taken directly from the incubator and placed in a brooder which has a capacity of twelve to thirteen thousand. In the brooder house the chicks are carefully fed, warmed, and guarded against disease until they are sufficiently feathered to do without heat at which time they are taken to the range and placed in range houses holding flocks of 150.

How the Little Chicks are Fed and Cared For.

The chicks are kept in flocks of twenty-five to thirty until they have all been taught to eat. They are then placed in flocks of fifty to sixty. Care is exercised in order that the chicks may receive their food free of the contamination from the droppings or floor litter.

A constant supply of clean, cool water, regular heat, and fresh air is maintained.

During the first three weeks of the chickens' life the hover room and feed room of the brooder are scraped,



1,000 Hens Ranging from a Hendwel. scrubbed and cleaned frequently, (every other day for the first week).

The first feed consists of a mixture composed of boiled eggs, bran, and oatmeal. The eggs are thoroughly ground, shells and all, and mixed with the meal and bran in such proportion that when they are rubbed together the moisture of the egg will be taken up by the other ingredients.

This mixture is given every two hours the first day of feeding (five feeds). Only as much of it is placed before the chicks as they will eat up quickly and greedily.

The chicks are not allowed out of doors until they are old enough to be immune to bowel trouble which might be brought about by exposure to morning dews and the hot sun. However, the chicks are supplied all the green food they will eat, beginning the first week of their life, in the form of beets, turnips, onions and lawn clippings.

A complete system of records are kept so that it is known at any time just how many fowls, and of what ages are on hand; what feed they are using, what percentage of egg production they are giving, how the number of chicks and the amount of feed required compares with the same date on previous years.—William C. Patent.

ONE CENT

For a postal card is all it will cost you to see a copy of my handsome new catalogue which describes my wonderful 1913 matings. Compare these matings with those of any Barred Rock breeder anywhere. This may sound a little "strong" to you, but are you willing to invest one cent to see about it? I am offering eggs from prize winning birds and not from unknown, undescribed pens of relatives of prize winners.

My "BLUE-BARS" won one hundred and fifty-six ribbons and specials in 1911 and 1912. Eggs—\$2.00 to \$7.50 per fifteen.

Strong, husky cockerels, all ready to go into the breeding pen—barred to the skin—\$3.00 to \$10.00 each.

L. H. READE, (Highland Park), RICHMOND, VA.
ORIGINATOR OF
"BLUE-BAR" BARRED ROCKS



S. C. BROWN LEGHORNS.

I have read with pleasure what several breeders had to say about the Brown Leghorns. First, I want to say, I have found that they are the birds worth having. I have tried many different varieties of birds, but it is with greatest of pleasure I tell you that I have been breeding nothing but S. C. Brown Leghorns for many years now.

Why some seem to like the "old time" Brown Leghorns better than the Brown Leghorns of to-day is more than I can understand. We only have to look back, not many years, when we bred Leghorns of quite a different type and color than we do now.

The best males produced today are simply beauties. That beautiful, rich color, and well up on legs; that long back and low tail, is something to be proud of. The females, with long body, low tails, well up on legs, beautiful soft brown backs and wings, that are free from brick and shafting, and salmon breast, together with fine hackle, etc., is enough to make any man go "crazy" about them.

As to layers, I find that my best exhibition females are my greatest layers, and when Brown Leghorns have been bred right, you have a beauty and cannot find a better layer.

There is a great demand for good, "up-to-date" Brown Leghorns. Last season I could not furnish half the eggs my customers wanted—then the past show season, I was sold out of exhibition birds almost before I got started. That is, I sold all I had to spare, as I wanted to keep quite a good number for the heavy demand for good eggs this season.

A man can surely make a great success with Brown Leghorns. First you want the quality, and when you let people know that you have the "goods" you will have more orders than you can fill. The South is a great place to raise the very best—we can get them out early, and I find that I sell more birds and eggs to the breeders up North and East than I do in the South. As before stated, a man must

have that real quality, and I had rather, by far, see a man buy just a few of the very best he can buy than to try and buy a large number of ordinary birds.

I have off quite a number of chicks from each of my yards that are doing fine.

Some breeders say they do not care to have both the male and female line and if not you can breed only one line—just which one you like best. I

wish to say, it is better to breed only one line, either male or female line, than it is to try the old single mated plan. But the beauty of it is, if you only breed one line, or if you breed both, you can sell the birds at much better prices than if you didn't use the "double mating" plan. Some time soon, I want to write on how to mate for cockerels and pullets. I am yours for the best in "Browns."—N. B. Spearman, Ida, Louisiana.



S. C. White LEGHORN BANTAMS

At our regular club meets at Hagerstown, Augusta and Atlanta, besides numerous minor premiums, we won 5 firsts and 2 seconds on males, 6 firsts and 6 second on females, 1 first, 1 second pen, 2 Silver Cups for best bird in class, one on male and one on female, also cup for best pair, besides both shape and color specials, twice. Will sell a limited number of eggs at \$5.00 per 13.

MONTE VISTA POUL. YARDS
GREENVILLE, : SOUTH CAROLINA

COWAN'S White LEGHORNS Mottled ANCONAS White, and Fawn and White INDIAN RUNNER DUCKS

Win the blue and fill the egg basket while others are loafing. Pen now mated that will produce winners for the big shows next fall. Write for show record and mating list. Member National White Runner Duck Club.

THOS. COWAN

DECHERD, TENN.

ROYAL BLUE AND LATHAM STRAINS

Barred PLYMOUTH ROCKS

Winners at Lexington, Louisville, Ky., Nashville and Knoxville, Tenn., 1912 and 1913. We breed ROCKS that have that bright, snappy color, and even barring, so hard to get. We also have large size and correct type. Exhibition mating, \$5.00 per 15; \$8.00 per 30. Choice mating, \$3.00 per 15; \$5.00 per 30.

BLYTHE BROTHERS :- **Box B** :- **FRANKFORT, KENTUCKY**

Big Chicks

with robust constitutions, full of vigor, are not secured by careless methods of management. Worth-while chickens are the kind that have developed steadily from the day they tumbled out of the shell.

Grow that kind this season and make bigger profits. Feed

Pratts Baby Chick Food to save them and give the vigorous start. Use

Pratts White Diarrhea Remedy to prevent weakening and death from bowel troubles. Give

Pratts Poultry Regulator to keep them well, with hearty appetites and perfect digestion. Dust them frequently with

Pratts Powdered Lice Killer to insure freedom from troublesome vermin.

That's the whole story. Easy, isn't it!

"Your money back if it fails."

Our products are sold by dealers everywhere, or

PRATT FOOD COMPANY
Philadelphia Chicago

Prices:

Chick Food, 25c up
White Diar. Rem., 25c, 50c
Regulator, 25c, 50c, \$1
Lice Killer, 25c, 50c

Pratts 160-page
poultry book
10c by mail

AN EASY WAY TO GET RID OF LICE.

When Prof. Lambert of the Rhode Island Agricultural College began his experiments to find a dependable method of destroying poultry lice, he undertook a work that has meant a great deal to all poultry keepers. It has been nearly 30 years since he succeeded in finding the best weapon for destroying these pests and now there is hardly a poultryman in America who has not used or heard of Dr. Lambert's "Death-to-Lice."

It is the old, reliable stand-by that never fails and does not injure hens, eggs, chicks or soil plumage. The preparation is put up in various size packages selling for as low as 10c and up to \$1.00. Surely no poultryman can afford to put up with these profit-eating pests when they can be cleaned out so completely and easily by this splendid preparation.

Dr. Lambert's "Death-to-Lice" is sold by most dealers, but if yours does not carry it you can obtain it direct from the O. K. Stock Food Co., 518 Traders Bldg., Chicago, Illinois. The advertisement of this company appears in this issue of the Hen. Read it.

S. C. BLACK MINORCAS

BRED FOR BEAUTY—SIZE—LARGE WHITE EGGS

Made sensational winning at Richmond, Va., (60 in class), 7 ribbons—probably strongest class of Minorcas ever seen in the South; at Lynchburg, Va., (51 in class), 9 ribbons—special best display, the "MINORCA" Shows of the South. Choice stock for sale. Eggs, \$2 and \$4 per 15.

R. H. ANDERSON :: LYNCHBURG, VIRGINIA
Member American Black Minorca Club.

MRS. CALLAWAY'S REDS

"Mrs. Callaway's REDS won at the leading shows the past season, and her birds not only are correct in color, type and size, and wonderful layers, but have that rich, black color in wings and tail that is required to win the blues in hot competition. If you want to get right in REDS buy a setting of eggs, or a cockerel of the Callaway strain."

Atlanta Journal.

Eggs from my three best matings, all headed by first prize cockerels at Atlanta, Augusta and Macon, at \$25.00 per setting. Some eggs from each pen. Pens headed by cockerels that were head of winning pens at Augusta, Macon and Hagerstown, at \$5.00 per setting, or \$25.00 per hundred. Other fine matings of same line of blood at \$3.00 per fifteen, \$5.00 per thirty, or \$10.00 per hundred. I have as fine REDS as can be found in America, and can start you right or furnish you blood that will improve your flocks.

MRS. P. T. CALLAWAY, - - - Box C, WASHINGTON, GEORGIA.

Single Comb BUFF ORPINGTONS Exclusively

PEN WINNERS at Great Southern International Show, Atlanta, 1911, and again 1912. Eggs from these winners, \$5.00 per 15. Other matings at \$3.00.

GEO. C. FIFE :: 206 Austell Building :: ATLANTA, GEORGIA

Single Comb BUFF ORPINGTONS Exclusively

"DOGGONE GLAD TO LAY"

Have 3 pens mated for the season. Eggs from prize winners. Write me your wants. Satisfaction guaranteed. Life Member American Poultry Association. Member National S. C. Buff Orpington Club. Member Alabama Poultry Association.

FRED S. FLETCHER :: 320 South 59th Street :: BIRMINGHAM, ALA

A MERITORIOUS ARTICLE.

Industrious Hen,
Knoxville, Tenn.

Dear Sirs: As I scan the pages of the various poultry journals my eyes fall upon this or that advertisement and I often have wondered if many of their readers really take them seriously or give to their statements the sincerity some of them actually merit. I have in mind an article steadily advertised in many poultry papers for two or three years and which, at first reading, impressed me as a fair example of exaggeration to say the least.

The advertisement proclaimed relief from my greatest bugbear as a chicken raiser—infertile eggs. It was most welcome reading, but I doubted its claims. Next month I read it again I wondered if the claims could really be true. Another month passes and again the "hand that points the way" seemed to be pointing directly at me.

I had just finished a hatch of high priced eggs, half under sitting hens and the remaining in the incubator, and realized only 13 per cent hatch! The condition was desperate, I was desperate, and in my desperation, I adopted desperate means and sent for a circular of the Magic Egg Tester.

I was a "doubtful Thomas" all right until I studied their system, but not afterwards for I ordered the Tester at once. It came just in time to try it on 72 eggs saved up for the purpose. The directions that came with the Tester were so emphatic on many points I had considered unimportant that I decided to use my favorite incubator, this time as this machine had sand trays to supply necessary moisture. This was one year ago and at a time when eggs usually run low in fertility.

Well, I put the 72 eggs I had saved up for hatching through the test and only forty-five passed the required standard, and placed these only into the incubator. On the morning of the

DISMUKES' S. C. ANCONAS

Win in the big Southern shows—Tennessee State, Appalachian Exposition, Louisville, Memphis and other shows have given the blue ribbon to us, or our customers. We also stood with the leaders in the 1912 egg-laying contest at Louisville. Book your order for baby chicks at once. A limited number of settings from our S. C. WHITE MINORCAS. Write for catalogue.

DISMUKES & ARRINGTON, Dept. H, Castalian Springs, Tennessee

21st day every egg hatched—just came out in bunches—and the strongest looking chicks I ever saw. I brooded half of them in one brooder and half in another without a loss of one.

My next test was with 32 "xx" eggs and as before, hatched every one. These birds have grown up to be beauties. They began to lay November 7th, last—the day Woodrow Wilson was elected President. At our recent poultry show these birds won 4 firsts, 4 seconds and 2 thirds. I caponized 17 cockerels which grew to be monsters. I forgot to say that my stock is Crystal White Orpingtons.

The Magic Egg Tester has proven itself absolutely reliable on high priced purchased eggs as well as with my own and I am positive that the instrument is reliable in any emergency. So useful an instrument as the Magic Egg Tester ought to be heralded from the house-tops that all poultrymen might be forced to listen. This is certainly a most meritorious article, a great money saver, advertised as pure aluminum, but it's more—it's pure gold.

Sincerely yours,

Robert Achurch,
Charleston, S. C.

P. S.—I subscribe to five poultry papers and have gained much from reading the experience of others, and feel it my duty to give poultrymen my profitable experience.—R. A.

THE HEN.

We have heard many enthusiastic comments upon the great American hen, but none more enthusiastic than the following which is set forth by one of our valued Michigan country exchanges:

"The hen can't plow, hoe corn or split wood, but she gets there just the same. She doesn't cost more than a drink of whisky and a plug of tobacco, but she can earn 8 per cent interest on \$25 in a year and pay her board besides. The fellow who doesn't think a hen can make more money than a grocery store loafer doesn't know much about her."

"Take an old speckled hen that has had no raising at all, one who has been thrown out of a corn crib, kicked off a porch and chased out of the garden by a worthless pup; just take that sort of a hen and she will pay expenses and make \$2 a year if properly looked after, and that is more than can be said about a lot of crack-barrel statesmen in this country who will not stoop to do anything short of running the government."

If the poultry house is damp it is a sure sign that the ventilation is not sufficient. Better look after it and run the risk of too much, rather than too little. Poor ventilation is the cause of many late winter and early spring colds and ailments.

BUFF BUFF MINORCAS-LEGHORNS

A superior Minorca. The Royalty of Chickendom. Made for a purpose, lay large, white eggs. Persistent layers. Emphatically WINTER LAYERS. No better table bird found; meat tender, juicy and delicious. Mature in 6 months and lay. Meat in 8 weeks. Hardy, gentle; moderate eaters; feather out like a Leghorn and have protection from cold. We have been 11 years making them. 5 years show record. Eggs, \$5.00, \$10.00, \$15.00 per setting of 15.

Lindgren Bros. BUFF LEGHORNS have the greatest show record of any in America. Have won prizes at 3 World's Fairs, in half the States in the Union. Also known for their great egg qualities. Mature in 4 to 5 months. The hardiest chicken living, less subject to roup than any other chicken. Eat less and lay more than any other Leghorn. Lay more eggs in winter than other Leghorns. Fine market fowl. We have bred them for 20 years, after having tried nearly every other variety. Eggs, \$3.00, \$5.00, \$10.00.

Get our Catalogue. Pioneers of BUFF LEGHORNS, Originators of BUFF MINORCAS.

LINDGREN BROS. -:- KINGSBURG, CALIFORNIA, U. S. A.

BEARD and PIN FEATHERS

A friend says he can see pin feathers growing out with my beard, says some are solid Buff while the others are solid White, but no blends. You can buy blends at a lower price; we don't sell them. If you want "ALL WOOL" BUFF LEGHORNS or WHITE ROCKS come to headquarters. Eggs by mail. Catalog free.

WOOLLEY'S POULTRY FARM, Route 4, CHARLOTTE, N. C.

ROBERTS' PARTRIDGE WYANDOTTES

Birds from my yards won at Marion, Fort Wayne, Muncie and Indianapolis, ribbons and cups. Eggs and stock for sale at all times. Send for catalogue.

G. A. ROBERTS -:- WARREN, INDIANA

BARRED PLY. ROCKS=WHITE ORPINGTONS S. C. RHODE ISLAND REDS

Eggs for sale from the big 3 breeds. Stock better than ever and eggs reduced to \$1.50 per dozen. I can make good money by selling eggs at 10c each, so have added to my stock and reduced the price to 10c. Had rather sell all I get at \$1.50 per setting than to sell only a few at \$2.50 and \$3.00. Can ship by Parcel Post if so desired, cost to be added to price of eggs.

D. R. JAMES, Jr. -:- WHITE STONE, VIRGINIA

ROCKS PARTRIDGE Madison Square Silver Penciled Garden Golden Barred CHAMPIONS 1906-7-8-9-10-11

HILLCREST FARMS -:- Free Catalogue -:- OAKFORD, PENNSYLVANIA

EGGS=EGGS=EGGS

As the hatching season is now begun I know that you will want to buy eggs just as reasonable as you can, and also you would like to know that the eggs are from birds of good stock that has a record behind it. My S. C. BUFF ORPINGTONS and S. C. BLACK MINORCAS have won in four State Fairs more blue ribbons than all the competitors combined. Of this stock I can sell you eggs, S. C. Buff and Black Orpingtons, at \$2.00, \$3.00 and \$5.00 per setting of 15. From the S. C. Black Minorcas I can sell you eggs at \$2.00, \$3.00 and \$5.00 per setting or \$10.00 per 100. We guarantee 75 per cent fertility. These birds were all hatched and raised at the Kenmore Poultry Farm.

Kenmore Poultry Farm

Maxey Lane and Gallatin Pike =:= =:= Nashville, Tennessee

H. L. D. HUGHES

DANVILLE, GEORGIA

Breeder of the best BLACK ORPINGTONS, RHODE ISLAND WHITES, RHODE ISLAND REDS, INDIAN RUNNER DUCKS, in Fawn and White, and White. Stock and Eggs for sale. 1912 Winnings as follows:

BLACK ORPINGTONS, Macon, 2nd pen, one entry; Savannah, 1st and sweepstakes, cockerel, one entry; Atlanta, 2nd cockerel, two entries.

RHODE ISLAND WHITES, 1st cockerel and 1st pullet, Macon, two entries; Savannah, 1st cockerel and 1st pullet, two entries; Atlanta, 1st cockerel and 1st pullet, two entries.

INDIAN RUNNER DUCKS, Macon, 1st pen Fawn and White, two entries; Macon, 1st pen White, two entries; Savannah, 1st pair Fawn and White, 2nd pair Fawn and White, 1st White and Sweepstakes, 3 entries; Atlanta, 2nd and 4th pullet and 4th hen, Fawn and White, 4 entries.

full of eggs it is no trouble at all to convince them that they really need a pen of these magnificent layers.

We sold six pullets to one of the principals of our public schools, who had never had any experience before with chickens, and he reports to us since early fall when he purchased them, he has had an average of five eggs a day, which gave them all the eggs they wanted for their own use and that occasionally they had a dozen to sell to their neighbor who had twenty or thirty chickens of other breeds and was not getting an egg.

Now, gentlemen, as long as we breed these birds so that they will maintain this high utility value, they are going to increase in popularity from year to year, and we confidently believe and predict, that the time is not far distant when every farm yard throughout the country will have a flock of these birds, and that they will gradually displace the mongrels now owned by so many farmers.

The man or woman that gets busy and raises some really high grade birds that are true representatives of this breed, is going to have a ready market for them for years to come, and at a remunerative figure. It is true that he is not going to be able to send out anything that has white legs at a big figure, on account of any past reputation he may have, but if he delivers the goods and gives each and every customer good value for their money, he will continue to enjoy the patronage of his old customers from year to year, as well as the new business that will naturally come his way.

Now in proof of the foregoing statement we wish to state that our demand for eggs and stock during the month of February and far into March, has been far beyond our highest expectations, running over \$3,000.00 for February for eggs alone, and nearly half that amount so far into March. So you see that the buying public is still interested in securing high grade eggs, with the idea of improving their

WHITE ROCKS

My White Rocks were second in the White Rock class in the International Egg Laying Contest.

They are excellent show birds and will pay big dividends.

J. C. NEFF, Richmond, Kentucky

HAYNIE'S WHITE ORPINGTONS

Are extra good winter layers. They have size, color and type. Prize winners in each pen. Satisfaction guaranteed. Eggs, \$5.00 per 15.

J. K. HAYNIE ::- ::-

OPELIKA, ALABAMA

THE CONTINUED POPULARITY OF THE WHITE ORPINGTON

It has been freely prophesied by a great many breeders that the White Orpington demand would fall off, and that they would not continue to enjoy the great demand in the future which has been theirs in the past. But we find exactly the opposite to be the case. Our business this year has increased by leaps and bounds, not only for high grade exhibition specimens, but for good utility stock, and the reason for this is very apparent. We lay it all to the great utilitarian value of this wonderful breed of birds. It is true that anything can be sold by

judicious advertising, whether it be of much merit or not, but it always costs more to make the first sale than you realize from the expenditure.

Now if the article has real merit, the buying public will keep up its purchases, and on account of this real merit the White Orpington will continue its popularity. In the hands of the amateur as well as the expert, these birds have proved their merit. We have had many visitors on our farm during the coldest months of the winter, who have come out of curiosity to look over the birds. It is always our pleasure to take them with us on an egg collecting tour, and when they see us gathering in large baskets

strains. Now anyone who breeds these birds right, shows them right, advertises them thoroughly, and above all gives his customers value received, will continue from year to year to increase his business. What one farm has done, you can do, if you get started right and keep everlastingly at it.—Aldrich Farm, Columbus, Ohio.

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HOW I BREED S. C. WHITE LEGHORNS.

I shall be as brief as possible in stating how and why I breed S. C. White Leghorns. I have been raising thoroughbred poultry for a number of years, such as Barred Rocks, Black Langshans, Silver Wyandottes and S. C. Brown Leghorns. Having had quite a great deal of experience with the above varieties, I decided to discard all of them and try the S. C. White Leghorns. That has been 10 years ago, and to date they far excel the others as money makers to me. They lay larger eggs and don't get broody like Browns. They lay more eggs on less feed than the heavy breeds, and it is eggs that pay the largest profit in this section. Beginning with a trio of the best stock I could buy and setting every egg the two hens laid, I succeeded in raising thirty pullets the first season. The first of August I discontinue feeding my laying hens (they have free access to alfalfa and bluegrass pasture) for one month. They at once quit laying and begin to drop their old plumage. The first of September with a light feed of wheat in the morning and corn at night I gradually get them back on full rations, one part bran, one part corn meal, one part shorts, mixed, put in a hopper where they can have free access to it. Wheat of morning and corn at night; 2 ozs. of green cut bone for each hen twice a week; grit, oyster shell, plenty of fresh water, and last but not least, all the green food they will eat, cabbage and mangles hung on a nail. This composes their feed through the winter, except a few oats.

October 15th finds them about through the moult and shelling out eggs when the prices range from 25c to 35c per dozen. This with proper attention they keep up through the winter. On cold, blustery days they are in the houses working in straw (which is 8 to 10 inches deep) for wheat which is fed in the morning.

Pullets are gotten into winter quarters by the time the first frost falls and are matured ready to lay. They are given the same treatment and feed as yearling hens, and how they do lay the coldest days we have in Kentucky.

Houses are warm and comfortable, well ventilated with plenty of light, free from vermin, and kept clean. Dropping boards cleaned every morning, and litter renewed every two weeks. The surplus cockerels are housed to themselves with bluegrass yards 25 x 125 feet. Their feed consists of wheat and corn, bran and plenty of oats, green food and just a little cut bone.

About January 15th my yards are mated up for the hatching season. Here hinges the secret of success in raising exhibition specimens as well

SWADLEY'S PARTRIDGE WYANDOTTES



They have been bred in line for years. I have won more firsts than any other Southern Breeder. I am the first in the South to win over American, Asiatic, and English Classes on hens and cocks. On account of making room for breeding pens, I will give some rare bargains on cockerels to quick buyers. Cockerels, \$2.50 each; eggs, \$2.50 per setting of 15. Member and director of National Partridge Wyandotte Club. Reference Unaka National Bank.

R. A. SWADLEY
JOHNSON CITY, TENNESSEE

ROBERTS' FAMOUS S. C. RHODE ISLAND REDS

My flock was founded 6 years ago with the Swamp Fox and Red Cloud Strains, the birds that have won more prizes than all other strains combined in the South. By careful selection and proper mating I have produced a HEAVY WINTER LAYING STRAIN OF REDS, having gotten 672 eggs from my prize pen of 12 hens from January 1st to April 1st, 1911; and right now, in mid-winter, I am getting at the rate of 240 eggs a year per hen; and Brother Fancier, they are able to get in the show-room in the hottest competition and come out in the front ranks. Have won everything in their class wherever shown. Insure yourself as a Red Breeder by founding your flock with Roberts' Famous Utility Show Reds. Eggs \$1.00 to \$5.00 per 15; two-third hatch guaranteed or will replace setting at half price. Fancy birds at \$2.00 to \$50.00 each. All my birds are shipped on approval. Yours for a Square Deal.

L. D. ROBERTS -:- R. F. D. No. 1 -:- WOODLAND, MISSISSIPPI

EGGS for HATCHING and BABY CHICKS from FOGG'S Single Comb White LEGHORNS

Will produce you fine exhibition birds and heavy layers. The breeders this season are the finest lot we have ever mated.

Our baby chicks are the kind that LIVE, and eggs for hatching will produce that kind. We guarantee safe arrival of eggs and chicks. Send for mating list now.

N. V. FOGG -:- Box A -:- MT. STERLING, KY.

as heavy egg producers. Females that have a high egg record and will score not less than 94 points go in these yards. They are mated to males of the best exhibition quality whose mothers were heavy egg producers. When these matings are made up carefully the following fall will certainly show up fine young stock. As the show season approaches these youngsters that come up to Standard requirements are conditioned to exhibit. I will say here there is no bird that ever graced a show room that looks better than a well bred, fully matured S. C. White Leghorn. The male bird with that graceful erect carriage, with his beautiful fine white plumage, yellow legs, red comb and wattles is a thing of beauty. Being exceedingly handsome and graceful in the show room and great layers of

large white eggs, makes them popular with the fancier and the large egg farms.—W. E. Gabhart, Bohon, Mercer County, Kentucky.

BLUE ANDALUSIANS.

The very able article by J. McD. Gamewell, in the March number of The Industrious Hen, in which he asks to hear from the Blue Andalusian breeders and makes the first call for a live club, deserves the hearty support of every Blue Andalusian breeder and fancier.

In the first of his article he says: "How often are we Blue Andalusian fanciers confronted with the question 'What are these Blue Andalusians really like and what are they good for?'" Now why are these questions so frequently asked? Simply because

STANDARD BRED S. C. WHITE LEGHORNS

D. W. Young's Strain Direct. Not one drop of any other blood. This strain has a type of its own. Stock and Eggs in season, also a few choice pairs of Ferrets (Rough on rats). Send for mating list.

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Box L.

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ODESSA, DELAWARE



CHAMBERLAIN'S PERFECT CHICK FEED

The Only Original Dry Chick Feed and the World's Standard. "Lady Showyou," winner of the National Egglaying Contest at Mountain Grove, Mo., with a record of 82 eggs in 82 days, and 281 eggs in a year, and recently sold for \$800, was raised on Chamberlain's Perfect Chick Feed. We have agents all over the U. S., but if our agent is not near you, we can make you special delivery prices on 100 lb. lots, or more. W. F. Chamberlain Feed Co., 349 N. Commercial st., St. Louis, Mo.

HAS NO EQUAL-NO CORN-NO BOWEL TROUBLE

Barred and White ROCKS

Of the highest quality. Winners of all firsts at the leading Southern shows. More firsts, cups and sweepstakes than any other breeder in the Southeast. If you want quality in stock or eggs write me

J. H. WENDLER

:-:

LAKELAND, FLA.

BRED-TO-LAY

S. C. WHITE and BROWN LEGHORNS, BUFF ORPINGTONS, BARRED PLYMOUTH ROCKS, and PENCILED INDIAN RUNNER DUCKS. Prize winners and good layers, from the best strains. Hens, Pullets, Cocks and Cockerels, \$1.50 and \$3.00 each. Eggs, \$1.50 and \$3.00 per setting of 15. Duck eggs, \$1.25 for 12. Write me.

MONTEREY POULTRY YARDS, F. L. Gill, Prop., MONTEREY, TENN

S. C. BROWN LEGHORNS

SPEARMAN'S BROWN LEGHORNS. If it's real "Quality" you want, I can furnish the "Goods." Think of it, I won forty-one Specials out of forty-three, and twenty-three Silver Cups out of twenty-four; and this season I exhibited at Memphis, Tenn., Lake Charles, La., and Texarkana, Texas, and won twelve firsts, and all my competitors combined won only three firsts. Think of it! I won four times as many firsts as all my competitors. My customers win first at such shows as Chicago and Madison Square Garden. Such winnings never before known. Eggs for sale. Write for free mating list, which gives pictures of my winners, and "That Unequalled Show Record."

N. B. SPEARMAN

IDA, LOUISIANA.

S. C. Buff ORPINGTONS

I stayed out of the ring three years but came back in and won my share of the ribbons at Indianapolis this year and sold two birds, a pullet and cockerel, for \$200.00 to Walter Reid, St. Johns, New Foundland. I cleaned up the prizes at Tennessee State Fair three years ago, winning silver cup and \$25.00 in gold for highest scoring pen, all classes competing. Still have this high quality. Eggs at \$5.00 and \$10.00 per setting of 15.

A. B. CARTER

:-:

CARMEL, INDIANA

we fanciers of the Blue Andalusians have not stood by our birds, and fought for their rights, as the breeders of the other varieties have. We have not a live club as the others have, and we have not exhibited our birds as we should have done, yet we have the breed than can hold its own in any company, and we are glad when we see them on exhibition.

For the past year I have been testing seven different breeds under exactly the same conditions. My Blue Andalusians have shelled out twenty per cent more eggs than the best of the other six pens, laying steadily during the extreme winter weather and have consumed less feed than those of any other pen. As to their beauty, no one can deny but that they are one of our most beautiful breeds. Then what more can we ask for a

typical bird to breed? As Mr. Game-well says, let's hear from some more Blue Andalusian breeders and not take it out in talk, but get busy and have a live club that we can feel justly proud of, and show the poultryman what is waiting for him in the Blue Andalusian breed.—Jno. O. Reid, Stanford, Kentucky.

S. C. BUFF LEGHORN MERITS.

There are so many breeds of poultry in our days, that a beginner can hardly decide what breed to choose; even some may want to make a change and hesitate to decide. Every one says his or her breed is best, may be as far as he knows, as he has not tried some other breeds. I want to say that the attention given often proves results different.

While some fail, others succeed.

Some strains of same kind are better than others. The writer favors Buff Leghorns, especially for eggs, which I think is the greatest source of profit derived from poultry. It is in fact, the foundation of the poultry business. The Buff Leghorns are all-year-round, good layers, and are in the non-setting class. Eggs are large, white, of uniform size; proving very fertile. They show wonderful vitality in chicks and mature fowls.

Hens weigh about 5½ pounds when full grown. Pullets mature early and begin laying readily at 6 months old. Especially good winter layers. They originated in a cold climate (Denmark). These birds are good foragers when given liberty, and bear confinement well; consume a third less feed and house room than large breeds, insuring three eggs in place of two. There is not a breed of more beauty and grace of carriage than the soft, even colored Buff, so aristocratic looking; always scratching, cackling, rustling, hustling and industrious. They have red, flaming combs, white ear lobes, and a flock of them are useful as well as beautiful. The number of eggs produced during a year makes any one glad to own them. They are gaining favor wherever tried. Would say to the beginner, you will make no mistake if you try the useful and beautiful Buff Leghorn, and any and all who are seeking a coming popular breed for eggs and fancy purposes.—D. W. Dickerson, Gallatin, Tennessee.

ANCONAS IN NEW MEXICO.

Deming, New Mexico,
March 8, 1913.

Dismukes & Arrington,
Castalian Springs, Tenn.

Gentlemen: I know you will be interested to learn of the success of the Anconas you shipped me last May. After traveling 1,500 miles they arrived in fine condition. They were the most active and beautiful chicks I had ever seen. All of the twenty chicks grew to maturity, and not one has ever been sick. Anconas are a new breed in this country; but few people know anything about them. My birds are admired most by those who know the good qualities of the Ancona, and they are the ones who are buying our eggs. This shows the quality of the Dismukes strain.

The R. I. Reds do well in this climate and are considered the best class of poultry; yet during the cold, wintry days my Anconas were laying right along, while the cold weather interfered with my other breeds. I had read that one of the main features of the Anconas was their laying in the coldest weather, when eggs are high, but it was accepted with a "pinch of salt" till I saw it verified. I sold eggs at 60 cents a dozen.

My Ancona pullets began laying at



Two of Burgin's Young Roosters

Burgin's Silver Spangled Hamburgs

"WIN THE BLUE AND LAY EGGS TOO." At Columbus, Ga., December, 1912, I won on singles, 4 firsts, 3 seconds, 3 thirds, 3 fourths, 3 fifths, and 1st, 2d, 3d pen; also Gold Special for best display. At Charlotte, N. C., January, 1913, won 1st pen (no singles entered). My birds have correct comb and type and are spangled all over. All my prize winners are in my breeding pens which are the grandest matings I have ever owned. Eggs, \$2.00 per 15; \$3.50 per 30; \$5.00 per 50; \$10.00 per 100. If you want "a thing of beauty and a joy forever" raise BURGIN'S HAMBURGS

JOE S. BURGIN,

--:-- --:-- --:--

ELLERSLIE, GEORGIA

4½ months old; the moulting season did not affect our hens, and I believe, with proper attention, they will lay the year round.

The Dismuke's Anconas are what they are claimed to be—regular "egg machines". Another thing I have watched closely in regard to the Ancona being a general utility fowl, on account of being a great rustler by nature, they thrive on about one-half the feed that ordinary fowls require.

I intend to make a specialty of Anconas, and will "cut out" all other breeds. I am now a member of the Ancona Club of America. I am doing some advertising and am now a thorough Ancona-ite.

I want to thank you for the honorable selection you sent me and assure you that I will ever be ready to testify to the reliability of your firm and to serve you in any way.—E. N. Glenn.

TENTATIVE PROGRAM FOR A. P. A. ANNUAL MEETING.

J. H. Wolsieffer, Chairman Publicity Committee, New Jersey Branch of the American Poultry Association, has sent us the following tentative program for the annual meeting of the A. P. A. at Atlantic City this year, provided that city is chosen on final ballot:

Monday.

Meeting of the Executive Committee

Tuesday.

Meeting of the Executive Committee

Wednesday.

10:00 A. M.—Formal opening of the Convention. Roll Call of States. Address covering all New Jersey (for the State). Mayor of Atlantic City (for the city). Dr. Jacob J. Lipman. (Educational Institutes and business.)

1:30 P. M.—Business Session.

8:00 P. M.—Reception.

Thursday.

10:00 A. M.—Business.

12:00 A. M.—Trolley ride and clam-bake at Longport.

2:00 P. M.—Poultry Institute lectures and instruction.

8:00 P. M.—Poultry Institute illustrated lecture.

Friday.

9:00 A. M.—Unfinished business.

2:00 P. M.—Poultry Institute lecture and demonstration.

8:00 P. M.—Rest session.

Saturday.

Poultry trips to Browns Mills, Vineland and the Department of the State Experiment Station.

Each member can have at his leisure as a guest of the State Branch the benefit of an ocean chair ride the length of the boardwalk and have the privilege of guides in viewing the city.

The speakers for the Institutes will be of known and world-wide reputation and will be announced at a later date.



OUR BUFF ORPINGTONS

Win first at Atlanta, Augusta, Columbus, Newnan, Birmingham and Montgomery. Silver Cup at Atlanta. Specials at Columbus.

Eggs, \$2.50 to \$10.00. Baby Chix.

Ask for Illustrated Catalogue. It's Free.

THE LAWRENCE FARM, Jacksonville, Ala.



S. C. BUFF ORPINGTONS

My yards contain as fine birds as are in the South today. Such winners as 1st New Orleans cock; 1st Memphis hen; 2d cockerel; 2d hen; 1st and 2d pullet. Nat. S. C. Buff Orpington Club show, Birmingham, Ala., and a clean sweep at the Alabama State Exposition. All firsts except 1st cock, and I did not show a cock bird. Send for book of Photos and Mating List. Eggs, \$2.00 to \$8.00 per setting.

L. A. BUZARD

--:-- --:--

LAMISON, ALABAMA

New Jersey is one of the greatest poultry States in the Union, giving the delegates exceptional opportunities of visiting all types of successful poultry farms.

THE SAFEST BOX.

Diamond Egg Box Co.,
Minneapolis, Minn.

Gentlemen: The sample egg box received. I have used and sold egg carriers for nearly twenty years, and am satisfied this is the safest box I have ever seen. I stood up on the box without damage to the box. Pressure on the box causes no pressure on the eggs, a point no other box I am familiar with, has.

Yours truly,
L. D. WRIGHT.



"BONNIE, 1ST AND SPECIAL
MISSOURI STATE SHOW

S. C. White Orpington, Owned by Crystal
Poultry Yards, Fredericktown, Mo.

Crown Bone Cutter

FEED your hens cut green bone and get more eggs. With a Crown Bone Cutter you can cut up all scrap bones easily and quickly, and without any trouble, and have cut bone fresh every day for your poultry. Send at once for free catalogue. WILSON BROS., Box 816, Easton, Pa.

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Made
Lowest
in
Price**

24 LEGBANDS FREE

MAKE YOUR HENS PAY



We send free 24 of the best Leg Bands made to every new and renewing subscriber to The Industrious Hen at 50c. 36 Bands will be sent with a three years subscription for \$1.00. If you are already a subscriber you may renew; or if you will get your neighbor to send 50c for his subscription, we will send a dozen Leg Bands to each. Enclose money order or stamps. Mention "Leg Bands" when subscribing under this offer.

INDUSTRIOUS HEN CO., Knoxville, Tenn.



Best and Quickest Way to Get Rid of Lice

Lousy fowls never pay. Keep the chicks growing and hens laying by ridding them of lice and mites.

Lambert's "Death to Lice" has been the standby for 30 years. Will not harm eggs, hens or chicks. Prices 10c, 25c, and \$1.00. If not at your dealer's we will send direct.

"Pocket Book of Pointers" by D. J. Lambert for 2c stamp. Write today--NOW.

O. K. STOCK FOOD COMPANY

513 Traders Bldg.

Chicago

AMERICA'S HEAVIEST LAYING REDS
 17 pedigree pens. 4 large overflow pens. Reds in both International contests except one closely related to birds in my pens; some were daughters, sisters, aunts or cousins. Unquestionably the greatest concentration of laying blood in the world. A pleasure to answer inquiries.
 CHAS. T. SWEET -:- ROUTE 7 -:- -:- SWANTON, MARYLAND

Fair, Square Poultry Judge

R. L. SIMMONS, CHARLOTTE, NORTH CAROLINA

Member A. P. A., Vice-President Barred Rock Club, and President of the N. C. Branch A. P. A. During my seventeen years experience, I have never failed to give general satisfaction. My circuit embraced nine states last season. If your last judge failed to please you, try me. Write for "what others say." Breeder of BARRED ROCKS, BLACK ORPINGTONS and BLACK MINORCAS.

"Kills Poultry Ills"----GERMIFUGUE

As an antiseptic DRESSING and HEALING application in scaly-leg, chicken-pox, Sore-head, canker, gapes and all parasite and fungus diseases, Germifugue has made good, safe and sure as a non-poisonous Lice Killer. Many poultry diseases represent a diseased condition of the mucus membrane of the head, throat or intestines. A combination of Eucalyptus, Camphor, Tar and Mint as exhibited in GERMIFUGUE will heal diseased mucus membrane, if brought into direct contact with the membrane. And that is why Germifugue gives good results in Roup, Colds, Bronchitis, Catarrh. Sold only in original packages. 2 oz., 25c; 1 lb., \$1.00, worth more. If you haven't tried it, your credit is good for a 25c tin ON APPROVAL.

J. H. PETHERRIDGE, Manufacturer Mt. Airy Sta. PHILADELPHIA, PENNSYLVANIA.

Maple Hill Poultry Farm

MRS. FURMAN Proprietors MRS. SKEENE

Breeders of G. M. B. TURKEYS, "RINGLET" BARRED ROCKS, S. C. WHITE LEGHORNS and R. C. R. I. REDS. We have won many blue ribbons on each of our breeds, and won the silver cup offered by the "Morristown Republican" at the recent Morristown show, for the exhibitor securing the largest number of points in the show. Stock and eggs in season. Write us your wants. Route No. 1, Box No. 23, Morristown, Tennessee.

FOR SALE!!

Eggs from prize winning stock. GOLDEN BARRED P. ROCKS, PARTRIDGE P. ROCKS, EMBDEN GEESE, CRESTED WHITE DUCKS, BUFF ORPINGTON DUCKS, WHITE RUNNER DUCKS, ANCONA DUCKS. Our stock is all prize winners. No one in the world can sell you eggs from better pens than we own. Send for our Mating List and price of eggs. Start right and get the best; our record in the best shows stamp our stock of the best in the land.

J. H. LEWIS & SONS -:- R. F. D. Box 0 -:- CADIZ, OHIO

S. C. Buff LEGHORNS

OF THE WORLD'S BEST STRAIN; Fine in type—beautiful, soft, even buff—perpetual layers, winners at many shows including Knoxville, Nashville and Atlanta. Eggs, \$1.20, \$3.00 and \$5.00.

BROOK LAWN POULTRY YARDS, HOVAL JOHNSON, Prop., Brush Creek, Tenn.

ACCIDENT INSURANCE FOR SHOW BIRDS

After all the work of mating, gathering of the eggs, the hatching and the careful rearing of prize winning birds, there comes one hazard over which the exhibitor seemingly has no control, for unless the exhibitor lives within a short distance of the poultry show his best birds must be entrusted to the care and mercy of others. It too often follows that these persons to whom the finished product is entrusted for shipment are careless and indifferent, if not criminally negligent in the handling of your shipments. Is there any recourse? Or should your receipt from the express company to whom you have delivered your birds have stamped upon it the same, as doubtful commercial paper, "Without recourse?"

For months, possibly for years, you have been preparing and breeding for form and feather, color and character, size and style, and now you conceive that you have attained

to some degree of perfection. And these living things of beauty are ready to meet their rivals. You take them to the express agent at your station and receive a receipt for them, as you deliver them in prime condition. What assurance have you that they shall reach their destination in prime condition, or that they shall arrive safely? Under the rulings of the express companies at the present time you can deliver your birds and pay double the first class rate, and your birds will be sent to the show and returned to you; or you can pay one and one-half times the first class rate and have the birds delivered to the superintendent of the show, and upon payment of the other half of the first class rate, have them returned to you; provided, always, that they are not killed in transportation. Should they be killed in transportation, the express company proposes to pay you the munificent sum of five dollars per head. If they are injured or made out of condition by the careless, indifferent or negligent handling of the express com-

pany's servants, the company will pay you nothing. They are just chickens, and as long as they are alive the company has done its duty by delivering them!

However, there is another side to this matter. The express company receives these chickens, turkeys, geese, ducks or other fowls as fancy poultry, as show birds, and the courts have held them to a higher degree of care. Take the case of C. S. Byers, of Hazelrigg, Ind., who had some of his best birds killed enroute to the Jamestown Exposition. Mr. Byers employed a lawyer and fought the matter through the courts of the state of Indiana and finally won in the supreme court of that state. But it took years to do it, and the lawyers got a good part of the value. The writer shipped nineteen head of show ducks to the Chicago show from a station in Missouri on the night of December 12, 1911, and before they reached St. Louis they were killed in a wreck. The entire show string was wiped out. Express charges to the amount of \$15.40 had been paid, entry fees to the amount of \$31.00 had been paid the management of the Chicago show. The birds had been held to the last minute so as to have them in the best condition possible when they reached Chicago, and they were shipped to their fate. The express company never notified the shipper of their loss, and the shipper had to wire the management of the show to know if they had arrived, after learning of the wreck. The express company promptly denied any liability other than five dollars per head, yet the shipper would not have sold some of them at any price. The management of the Chicago show, when requested to return the entry fees, after having the matter explained to them, never even answered the letter in which such request was made. After many months of negotiation between the express company and the shipper's attorney, the claim was settled for about one-half the value of the shipment. The company finally paid one-half of the loss in the latter part of July, for a loss incurred on the 12th of December. These two cases may be aptly called "the law's delay." Mr. Byers went into court and got a settlement in full in four years; the writer compromised out of court and secured about half value in eight months. In both cases the lawyer figured in the case, for his fee had to be paid.

Here is another case: In the fall of 1911 an Indiana breeder shipped fifteen head of show turkeys to the State Fair at Springfield, Ill., and, as he put it, "they were mashed to a jelly," at Litchfield, Ill. When he arrived at the fair grounds and his turkeys did not show up, he was surprised to have the agent of the express company hunt him up and write him a check for fifteen hundred

dollars, one hundred dollars for each turkey. There was no argument, there was no haggling, there was no request to take less. Why? He had a special contract. This special contract calls for an excess valuation over and above the ordinary valuation of five dollars per head, and in case of loss you are entitled to the full amount without any deduction. You pay an extra amount, as insurance premium, and are protected to the amount you place on your birds. It is accident insurance for poultry while in the care of the express company. It is traveler's insurance. It is a valuable policy.

But, as yet, there has been found no way to make the companies answer for the damage birds receive in transit by careless handling, exposure and the like. Broken feathers that lose ribbons, colds that kill birds, the loss in advertising value from failure to win, are all too remote for the companies to stand for it. For a time at least, the exhibitor must stand this. But by all means, see that you have a special value contract on your show birds when you ship them.—Mrs. Walter Lee Chaney in Reliable Poultry Journal.

CARE AND MANAGEMENT OF INCUBATORS.

IN drying out the moisture in eggs during incubation, of them too much and weaken course it is possible to dry the germs, especially during dry, hot weather, and a person will have to use judgment in this respect. Nearly every incubator manufacturer sends a chart showing the exact stage the air cells should be at different stages of incubation. A great many people have an idea that incubators should be supplied with moisture. Some incubators are made and designed especially to be used with moisture and with these machines the directions should be carried out fully. In fact, every incubator manufacturer knows better under what conditions to operate their machines than any one else, and a person should always carry out the instructions as near as possible in operating any particular make of incubators. The general information as outlined in this article is intended to help many who do not just exactly understand many of the little details and this information practically applies in a way to most any make of machine.

For instance, in using a machine that is supplied with moisture a person should watch the ventilator to give the eggs the proper amount of airing as the instructions for this particular machine demands. The same thing should be done with hot air machines when moisture is not used. My experience has been that if moisture is started in the machine it should be kept up and is of more importance during the first or middle part of the hatch than it is at the latter part. Thousands of chickens are killed on the last two days of the hatch by applying moisture at a time when it is not needed. Usually with a strong bunch of eggs the moisture that is thrown off from the little chicks in breathing and the exercise they are

Galvanized Steel



Lice-Proof Nests

HAPPY HENS EARN BIG PROFITS

Keep your hens happy and laying by keeping them free from profit killing lice and mites. Equip your laying houses with **KNUDSON Galvanized Steel LICE PROOF NESTS**

These wonderful, sanitary, patented nests can't get out of order, last a life time and earn their cost many times over. Regular price, \$3.90, set 6 nests—special introductory price, \$3.50; 3 sets, 18 nests, \$10. Write for our free catalog, Galvanized Steel Brood Coops with Runs, Chicken Feeders, etc. **KNUDSON MANUFACTURING CO., Box 487, ST. JOSEPH, MO.**

S. C. WHITE LEGHORNS

Winners and heavy layers. Eggs, \$2.00 per 15; \$6.00 per 50; \$10.00 per 100. BUFF ORPINGTON DUCK Eggs, \$2.50 per 12. WHITE WYANDOTTE Eggs, \$5.00 per 15.

C. W. ANDERSON - D. 134 - SPARTANBURG, S. C.

DILLARD'S BUFF ROCKS

WIN IN THE STRONG SHOWS

At Spartanburg, S. C., 2d cock; 2d cockerel; 1st, 4th and 5th hen; 2d and 3d pullet; 1st pen; 1st display. Chester, S. C.—3d cock, 1st and 2d hen, 4th pullet, 4th cockerel; (six entries). Statesville, N. C.—3d cock; 3d cockerel; 1st, 2d, 4th and 5th hen; 1st pen. Booking orders for Eggs, \$3.00 and \$1.50 per 15.

S. B. DILLARD -:- -:- SPARTANBURG, S. C.

WHAT IT TAKES TO WIN THE BLUE ON White Rocks, S. C. Reds, Mottled Anconas

We have it. We have won at Morganton, Charlotte, S. E. P. A., and Shelby, N. C. Eggs from our winners at \$1.50, \$2.00, \$3.00 and \$5.00. Send for mating list. Satisfaction guaranteed.

White Oak Poultry Farm THOS. WHISNANT, Jr. 409 Tenth Avenue Charlotte, N. Carolina

Show Birds---Breeders

If you are looking for fine stock in S. C. White and Brown Leghorns, White Wyandottes, Barred Rocks, S. C. Black Minoras, Light Brahma, Cornish, S. C. Rhode Island Reds, White Cochin Bantams, Mammoth Pekin and Indian Runner Ducks, then write us. Our prices are reasonable, quality considered. Breeders for the past 19 years.

NEVIN POULTRY YARDS, WARDIN BROS., R. 7, CHARLOTTE, N. C.

WECKLER'S BUFF PLYMOUTH ROCKS

At no time since we have bred Fancy Poultry have we been in as good shape to take care of your orders as we are at this time. Selected breeders of the choicest quality with blood lines behind them that but few other Buff Rock breeders can give you. My special matings are mated up of the choicest birds, with years of experience behind them, such as second young pen, first old pen and sweepstakes pen, at the great Indianapolis show, February, 1913. Eggs from these matings, \$5.00 per 15; \$8.00 per 30; \$20.00 per 100.

A. L. WECKLER -:- BUNKER HILL, INDIANA

taking while getting out of the eggs will, in most machines, furnish all the moist atmosphere that is needed to soften the lining of the eggs, and if the moisture is applied during the last two days it has a tendency to swell the chick in the egg to such an extent that it cannot turn its head and suffocates or drowns many chickens at this stage.

The moisture proposition is a hard one to solve, and the only way a person can tell anything about this matter is either by the use of a moisture gage or actual experience of hatching large numbers of chickens. A person that has operated many incubators and has watched them closely can usually tell by the feeling of the egg and the watching of the air cells if they need moisture or not. Usually a machine run on the ground will come nearer controlling its own moisture or having the right amount than in any other place, especially during dry weather.

Often when a machine is retarded or the chickens, do not come out of the shell as promptly as they should, by removing the chickens that have already been hatched from the incubator and placing in another incubator or in a lined box with a temperature practically the same as the incubator, and by rolling the other eggs close together in the machine and placing a warm wet woolen cloth over the eggs many chickens can be brought out that could never get out otherwise. However, this is bad practice and if the incubator has been run properly this will not be necessary, but occasionally has to be resorted to.

I think another big mistake that is often made is by people either leaving the little chicks in the incubator too long or taking them out too early. As near forty-eight hours from the time the first chickens begin to hatch as possible is the proper time to remove them from the incubator. The

BUFF WYANDOTTES WHITE

Again heavy winners, 1912-1913 winter shows at Chicago, Louisville and Insular Exposition, San Juan, Porto Rico. Line bred for exhibition and laying qualities for fourteen years. A grand lot of cocks, cockerels, hens and pullets for sale cheap for quality. We are now shipping eggs for hatching.

Utility pens, \$2.00 per 15; prize pens, \$3.00 per 15; special pens, \$5.00 per 15; Incubator eggs, \$6.00 per 100. Bred to lay S. C. WHITE LEGHORN eggs, \$1.50 per 15; \$5.00 per 100. Day-old chicks in any quantity from 25 to 1,000. Write today.

POWER & CABLISH POULTRY FARMS, Box J, MAYSVILLE, KY.

LITTLE'S WHITE WYANDOTTES

By their remarkable winnings at Columbia, S. C., Show, January 28-31, again prove their superiority. Won 1st, 4th cock; 1st, 3d cockerel; 3d hen; 1st, 4th pen; A. Y. A. Gold Medal for best cockerel in the entire show; three of the five National White Wyandotte Club badges; also a number of other specials. My birds have won from New York to Atlanta, in some of the hottest competition ever known in White Wyandotte classes. Absolutely the Best in the South. Start right. The Best is the Cheapest.

T. L. LITTLE, Box 534, CAMDEN, SOUTH CAROLINA

President S. C. Branch A. P. A.

Ben Lomond Farm's

"Leader" Strain of SINGLE COMB BLACK MINORCAS AND SINGLE COMB RHODE ISLAND REDS. Stock and eggs for sale.

J. T. RUTHERFOORD :: Rockcastle, Virginia

Rose Comb Reds--White Runner Ducks

EXHIBITION AND EGG PRODUCTION OUR SPECIALTY.

If you want to start right or improve your stock, get our blood lines. Results will please and prices will surprise you. Drop us a card and receive our 1913 catalogue with our winnings, prices and methods of doing business.

MRS. H. R. NUSZ & SON :: Box 301 :: CECILIAN, KENTUCKY

ventilator should be opened after the hatch is practically over and let the little chicks get some fresh air.

Then when little chickens are removed from the incubator to the brooder it should be absolutely dry and at a temperature similar to that kept in the machine. If one will place a thermometer under a hen they will notice that the temperature of a hen's body is always practically the same, 103, and the little chickens should have a temperature at all times where they can get to it similar to that of the hen until after they are at least feathered. On the other hand they should have a change of temperature where they can get it at will so that they can breathe pure, fresh air, but always have the brooder warm enough so if they are ever the least bit cold they have access to a temperature that will warm them up. Many fine hatches are lost by not being careful the first few days of a chicken's life, either by giving them warmth enough or often by giving them improper food the first day after they are removed from the incubator. One can not be too careful about the starting of little chickens after they have received a good hatch.

No one can successfully operate an incubator or raise little chickens unless they are carefully looked after. This work must be done promptly and

correctly. A little neglect one day will upset or lose your entire efforts, and unless one can make up their minds to look after properly and care for the little details connected with operating incubators and brooders they had better continue to use the hens. But, with artificial incubators and brooders it is the only method by which large quantities of chickens can be hatched and raised out of season at a time when they will bring you the most money, and by the use of incubators and brooders a reasonable supply of poultry can always be had. They are almost a necessity nowadays with every poultryman and most of them would not attempt the poultry business if they were deprived of their incubators and brooders. On the other hand they are very often abused and often fall in the hands of people who do not realize or appreciate their use and treat them as they should be.

One of the greatest things connected with artificial incubation and brooding is to keep insects out of your flocks. With the use of incubators and brooders there is no excuse for anyone having lice or mites to contend with, and they are one of the greatest drawbacks the Southern poultryman has to contend with.

A great many people are now operating large hatcheries and when a

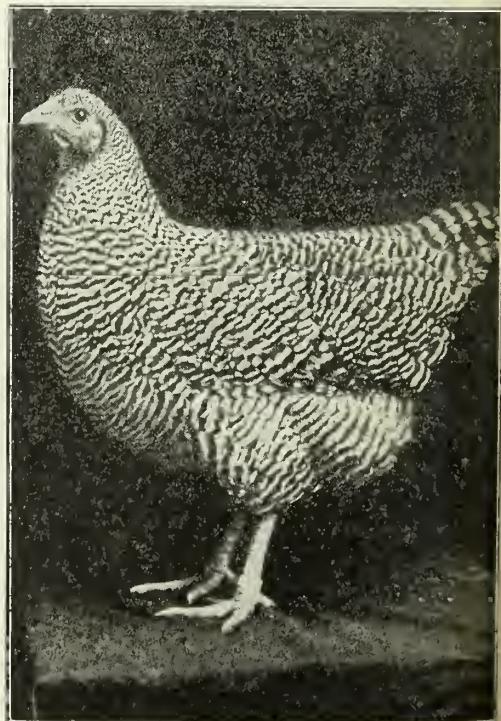
person is not so situated that they can do their own hatching it is far better to have their eggs hatched at a commercial hatchery (which can usually be done at a reasonable price), and this can be done at much less cost than a person can own and operate their own machines. Many large hatcheries over the United States are now shipping day-old chicks instead of eggs, and it is surprising what an immense amount of business is being done in this line now when only a few years ago such was not thought of. The Egyptian method of hatching eggs has been carried on in this way for many years and these methods are now being largely practiced in California and in many other sections of America.

If it were not for these rapid strides being made in the poultry business it would be utterly impossible to supply the nation with the number of fowls and eggs that are now required.

There is much yet to be learned about the methods of artificial incubation, and five to ten years from now will see a big improvement over the methods that are now being practiced—Loring Brown, in Atlanta Journal.

HOW TO BREED ANCONAS.

In writing these few sentences on the breeding of Anconas, I do not expect to begin to tell all that might be said on this subject; or expect that the methods set down here will appeal to all breeders. There are as many different methods as there are breeders, but if my few remarks will do any one some good, help them over any of the rough places, I shall be satisfied. The Ancona is a beautiful fowl, and what is better, a useful one. It is the latter quality that is bringing it so prominently before the American poultry breeding public at the present time. It is these qualities that we should aim at in the making up of our breeding pens. Anconas have taken their rank as egg producers and this is the great quality that we should aim to perpetuate. So one of the first things to select are birds with



B. P. Rock, Owned by Chas. G. Fuller, Bicknell, Indiana.

vigor. A bird that is vigorous and active is usually a good producer. If you have any method by which you can tell which are your best layers, use it, and place those layers in your breeding pens. The most vigorous birds are not always the largest and it is best not to use the smallest birds. We want a good medium-sized Ancona, one that will lay a great number of large-sized eggs, at the smallest cost for food. We should keep pedigrees of our breeders, especially if we wish to produce a strain of birds that will progress in the good qualities. If we have a pedigree of our stock we know what we are doing. There is not so much guess-work. While utility value should be our first aim we should not forget the show qualities of our breed. If bred rightly our best show birds should also be our best layers, for the Standard for Anconas is, with a few exceptions, quite close to nature, and we do not have to use the double mating system, or any other shifts, to produce good birds in both sexes. One of the first essential qualities for our breeders should be type. We want a bird with a long back and a low carriage of tail. This is sometimes hard to find, but we should strive to select birds the nearest to our ideal. We will never find a perfect bird. Some quality will always be lacking, but we must select those that have the most good qualities. The male bird for our breeding pen then should be vigorous, of good size, long back and low carriage of tail. He should have a medium sized comb of four or five serrations. A six point comb is not bad if the females have four and five point combs.

The number of serrations is a small matter, as compared to the size, shape, smoothness, etc. A male with a comb that laps to one side a little, if the comb is good otherwise, will produce pullets with just as good combs or better perhaps than will a straight comb male, but for general breed-

WHITE ORPINGTONS

I am offering to the public some of the grandest bargains of the day in my 1913 matings of **WHITE ORPINGTONS**. If it is Orpingtons of size, type and quality you are looking for, I have them. Won 1st hen and second pen in the hottest of competition at the big Birmingham, Ala., Show, December 10th to 14th, 1912; no other entries in this class made by me.

Eggs for hatching from my grand birds, \$3.00, \$5.00, \$7.50 and \$10.00 per 15.

FRANK RIDDLE :: City Court of Birmingham :: BIRMINGHAM, ALA.



S. C. BROWN LEGHORNS for SALE

Yearling cocks and yearling hens, cockerels and pullets; something that will make good breeders. Eggs from all fancy pens \$2.50 per setting. Special yards mated for good laying purposes, \$1.00 per setting; \$6.00 per 100 eggs. Call for my free circular and get the particulars for matings.

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BARRATT'S BLUE RIBBON STRAIN and IMPORTED MOTTLED ANCONAS

Do you want eggs or stock from birds that win and lay? I will have a limited number of eggs from the best pen of Imported Anconas on this side of the pond. A bargain in a few choice pullets. Write for mating list.

BARRATT'S ANCONA FARM

MORRISTOWN, TENNESSEE
State Vice-President Ancona Club.

ing we prefer a male with an erect comb. The color of the male and female should be as near alike as possible. We want them with good, black wings and tail. In the male we want that beautiful green sheen, without the purple. It is hard to find a bird without some purple; select those that have the least. We think we get the best birds when the male and female are both of about the same degree of blackness, but if the females have a number of whole white feathers in tail and wings, the male should be a very dark, almost black bird. The mottling should be very even over the entire body and the little V shaped tips of white should be very small on cockerels and pullets. These small mottles of white will be plenty large enough when these birds are a year

older. We like to see the male with well mottled hackle and saddle feathers, but many good breeders will be nearly black. If the male is without much mottling the female should be well mottled. The Standard says one feather in four or five should be tipped with white. I suppose it is worded this way so that darker birds will be bred.

If we can have the leg color that we desire it would be for both male and female to have yellow legs mottled with black. A mottled leg will nine times out of ten produce better colored wings in the offspring than a clear yellow leg. The reason for this is that in a bird that has clear yellow legs, the black pigment is somewhat lacking and although he may have black wings, this black pigment of



Pen of Mottled Anconas. Imported by Barrett's Ancona Farm, Morristown, Tennessee



WHITE BLACK BUFF ORPINGTONS=WHITE WYANDOTTES INDIAN RUNNER DUCKS

Also S. C. WHITE LEGHORNS. Baby Chicks and Ducklings, 153 Prizes in 4 shows, A. P. A. Gold Medal. Stock and Eggs for sale. Fancy Poultry for breeders a specialty. Write for Price List No. 69.

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FAWN and WHITE
ENGLISH PENCILED

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SEND FOR CATALOGUE AND PRICE LIST OF

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S. C. WHITE ORPINGTONS and S. C. WHITE LEGHORNS. Eggs for hatching in any quantity from both breeds. ORPINGTON stock for sale, with wonderful egg records. We breed only from high-class exhibition stock. Our present matings contain blue ribbon winners of exceptionally high quality. Thirteen acres devoted to poultry. Write today to

RUNNymeade Poultry Farm, Route 4, SPARTANBURG, S. C.

CLEVELAND'S BARRED ROCKS

In the strongest competition my ROCKS won at the Spartanburg show, 1912, 1st cock; 1st, 2d, 5th hen; 1st, 3d, 5th pullet; 1st pen. 1913, 2d cock; 3d, 5th hen; 2d, 3d, 4th, 5th pullet; 1st pen. My pens are mated for best results and will produce fine chicks. Eggs, \$2.00 per 15.

R. B. CLEVELAND :: SPARTANBURG, S. C.

Write For Our 1913 Catalogue

Containing our mating and price list. We are breeders of BLACK, WHITE and BUFF ORPINGTONS, S. C. WHITE and BROWN LEGHORNS, WHITE PLYMOUTH ROCKS, WHITE WYANDOTTES, WHITE INDIAN RUNNER DUCKS, BUFF ORPINGTON DUCKS. Ours is the quality farm. A good place to secure foundation stock or put new blood in your old flock. Try a setting or two of eggs from us, from the variety that appeals to you most. Satisfaction guaranteed. Some stock for sale. Write us your wants.

SOUTHERN STATES DUCK AND POULTRY FARM - - - COLLEGE PARK, GEORGIA

White WYANDOTTES

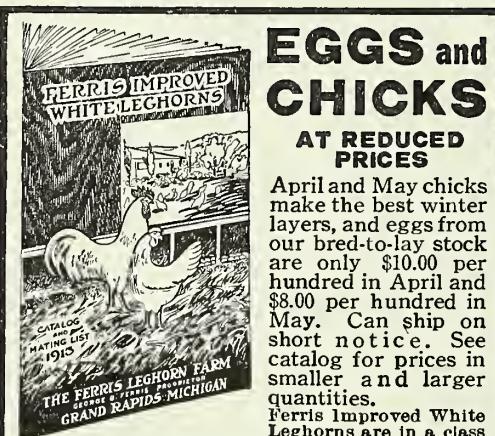
FIRST, LAST AND ALL THE TIME big winners at all the leading shows. Line bred and trap-nested for years. Grand chicks and eggs from our celebrated strain of heavy laying utility and exhibition stock. Every CHICK and EGG guaranteed to arrive in perfect condition. Catalogue free.

R. W. PATTERSON :: SHILOH, OHIO

color will be somewhat lacking in his offspring, and the place this shows will usually be in the wings. If the females have dark, black or willowy legs, use a clear yellow legged male. If the females have yellow legs use a black or mottled legged male; but if we can have both male and female with bright yellow legs, with a few blotches of black on them, I think we have the ideal colored legs.

Birds to produce good fertile eggs should be in good health, not too fat, and where they can have a large amount of exercise. Exercise makes strong birds, and it is strong birds that we want. In order to progress in the breeding of any variety we must cull very closely. It is better to have one good pen than six or ten poor ones. Any breed will rapidly deteriorate unless select matings are made. Instead of sending your largest and best males to the market, keep them for breeders, and send your small, scrubby stock, if you have any. Upon your selection of breeders will depend your success as a poultryman. It is not always the best show-bird that is the best breeder. A bird that comes from a long line of winners will produce better birds in nine times out of ten than a bird that by chance happens to be

a little superior to him. It is the breeding that tells, therefore keep a record of your birds, and you will soon build up a strain that will be an honor to yourself and neighborhood.—H. M. Bedford, Strongsville, Ohio.



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April and May chicks make the best winter layers, and eggs from our bred-to-lay stock are only \$10.00 per hundred in April and \$8.00 per hundred in May. Can ship on short notice. See catalog for prices in smaller and larger quantities.
Ferris Improved White Leghorns are in a class by themselves; they will lay 175 eggs a year and are splendid exhibition birds with fine white plumage, good heads and low, well spread tails.
SUMMER SALE OF STOCK STARTS MAY 1
Splendid bargains in stock of all grades—thousands of cocks, cockerels, pullets and hens direct from our special laying pens and from our exhibition matings.
Have you had your copy of our new 132 page catalog? If not, send a postal today, for it contains so much valuable information about White Leghorns that you cannot afford to be without it. It is absolutely free and we will be glad to send you a copy.
GEORGE B. FERRIS
The Ferris Leghorn Farm, 920 North Union, Grand Rapids, Michigan

NEW BREED OF CHICKENS.

A new breed of chickens has been evolved by the Missouri State Poultry Experiment Station at Mountain Grove.

At present there are but twenty of these hens in existence, valued by the station at several thousand dollars. Results of two years' experiment in an effort to breed a hen which will lay a perfectly white egg, and at the same time be a good table fowl, were made known for the first time by T. E. Quisenberry, director of the Mountain Grove station, during the trip of the Missouri, Kansas & Texas poultry and dairy train through Missouri. The new variety is yet to be named, Director Quisenberry said.

This announcement is looked upon by poultry experts as one of the most important in many years, and will attract national attention. It will mean millions of dollars to the poultry industry.

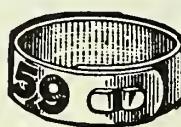
The importance of this announcement, from a commercial standpoint, comes from the fact that egg dealers, within the last three years, have been demanding a large, perfectly white egg for the trade, which brings a much higher price than a brown egg. On the other hand, it is explained a hen which will produce the desired white egg usually is a small bird of no commercial use as a table fowl.

The new variety at the Mountain Grove Station combines the two most desired features from an egg and table standpoint. In addition, it is a hardy bird, which can be raised by any housewife. The most valuable hen heretofore recorded by poultrymen was known as the Kellerstrass \$10,000 hen of Kansas City, four of her offspring selling for \$7,500 a few years ago.

A year ago the Missouri poultry station sold its prize egg-laying white Plymouth Rock hen for \$800. She had a record of 281 eggs a year, and each egg was valued at \$1. Director Quisenberry says that his new breed of white hens will exceed in productive power the famous Plymouth Rock.

Discussing the new breed, Mr. Quisenberry said: "We expect great things from the new breed. They were produced by crossing a White Leghorn male with the females from the White Wyandotte, White Orpington and White Plymouth Rock and breeding into the third generation. While the average hen on the present system will produce about ninety eggs a year, we expect from this new breed to be able to produce probably 190 eggs a year. I am confident that we will make a better showing than we did with our famous Plymouth Rock hen. Official records of this new breed will be available in a short time. The name is yet to be selected."

The results of other research work in the poultry field soon will be made public from the Mountain Grove station, which is maintained by the State of Missouri under a \$15,000 appropriation.

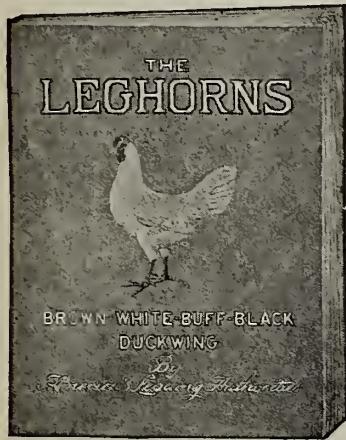


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CHEAPEST AND BEST
12 for 15¢; 25-20¢; 50-35¢; 100-60¢; 175-180¢;
200-\$1.10; 500-\$2.50. Price list and sample 2¢.
Frank Myers, Mfr., Box 50, Freeport, ILL.

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Standard and Non-Standard
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the Popular Leghorn ever
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THIS NEW AND GREATLY ENLARGED EDITION, thoroughly revised and brought down to date, consists of 144 large pages and cover. It tells how to select and mate birds for the breeding pen; how to judge Leghorns in the show room; and how to feed for heavy egg yield and fast growth. Some of the great commercial Leghorn egg farms described and illustrated.

Edited by

J. H. DREVENSTEDT,

Breeder and Judge of twenty-five years' experience and member of Standard Revision Committee of 1898, 1905 and 1910.

This new book contains chapters on the following subjects:

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Two Color Plates by F. L. Sewell

These picture ideal White Leghorns and the true colors of Brown Leghorn feathers—inaluable to Leghorn breeders.

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This Book and Industrious Hen
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THE VALUE AND USE OF CUT GREEN BONE.

Cut green bone as a poultry food can hardly be called a new food, as it is something like 20 years, I believe since it began to be known. And yet wherein its value as a poultry feed—especially in winter—lies seems not to be understood by a number of our poultry keeping general farmers. For the benefit of such, I will try to state clearly the wherefore of cut bone's value for poultry, and tell briefly how to feed it.

I assume that it is not necessary to state what is meant by a "well-balanced ration," as this subject is one of the most discussed ones of present-day stock keeping, and as applied to poultry has been explained in the poultry press and at institutes until its importance, as well as its meaning, should be pretty generally understood, even by beginners. Suffice it to say here that one of the very important elements of a well-balanced ration for poultry is animal matter, and that this element is one which is very frequently omitted from the feed of farm-kept fowls in winter time, except on sporadic occasions, as just following a butchering. In summer time fowls on unlimited free range will obtain this necessary animal food in the bugs, worms and insects they pick up. But in late fall and during the winter this is impossible, and with the farm-kept, free-range birds, as with those flocks always confined to pens and runs, this element in their feed must be supplied.

If the fowls do not get it, they will deteriorate in vitality, the egg production will dwindle, the per cent of fertility in eggs from the breeding pen will be low, and the chicks that are hatched will mostly be weaklings. By observation I have found that many poultry-keeping farmers are confronted by this condition in their flocks every winter and spring. These people generally complain of their "poor luck" with poultry, finding fault with the breed, variety or strain, whereas the real fault is a lack of the animal element in their food.

Among the several forms of animal food suitable and acceptable to poultry green cut bone is about the cheapest and most universally obtainable. Cut green bone contains, as nearly as does any purely animal matter and in about the correct proportions, the elements necessary to induce a heavy egg yield, a healthy, vigorous growth in young fowls and aids to a high per cent of fertility in the eggs from breeding pens. But it should be fed sparingly at first, until the fowls—especially laying ones—become accustomed to its use. An ounce per fowl every other day being about the correct proportion for laying hens in winter in this latitude. When fed on this basis, it is best to cut the bone freshly for every feeding. During the summer the allowance of green bone may be reduced by giving this same amount but once a week. During the moulting period, however, it should be fed in its winter time proportion. With growing birds over three months old—especially birds of those large framed breeds—as high



Usual price 25c each
but we offer two galvanized iron drinking fountains for 25c as a special inducement to get you acquainted with

PURINA CHICKEN CHOWDER

—a dry mash composed of alfalfa, corn meal, bran, middlings, granulated meat, linseed meal and charcoal, the great egg mash and

GROWING FEED

for baby chicks. Purina Chicken Chowder produces tender and plump broilers at an early age and advances the egg laying period from 2 to 5 weeks.

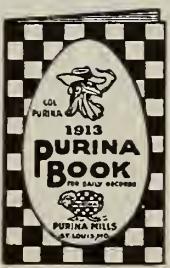
Col. Purina says: "If Chicken Chowder won't make your hens lay, they must be roosters." Chicken Chowder makes fertile eggs for hatching and early broilers that bring fancy prices.

Clip Col. Purina's head from a bag of Purina Chicken Chowder and send it to us, with 25c, and we'll ship you the two serviceable, 25c galvanized iron, chick drinking fountains delivered by parcels post.



Purina Poultry Feeds are sold by the leading dealers and grocers. If your grocer cannot supply you, ask him to order a supply including Purina Chicken Chowder from his jobber.

Poultry book free!



For your dealer's name I will send you this 48-page Poultry Book, containing plans of houses, breeding and feeding charts, space for daily egg records, cures of diseases, etc., and full instructions on how to successfully raise baby chicks. Write today.

Col. Purina, Purina Mills,
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WHITE

SPECIALIST IN HIGH-CLASS	CLOTH BOUND CATALOGUE FOR STAMP
LEGHORNS ORPINGTONS WYANDOTTES	MAYWOOD WHITES ARE WHITE

Crystal White and Imported Orpingtons

I can furnish you eggs from choice females of low down, blocky type, red eye, low comb, fine color and low spreading tails, mated to males that are just as good, for \$4.00 per 15. Utility matings, \$2.00 per 15. Liberal discount on larger lots.

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Single Comb RHODE ISLAND REDS

PURE ARISTOCRATS. The richest colored strain of Reds in the World. Aristocrats swept Chicago. Send for catalogue showing photos of some of the best Reds in the world. Eggs \$3.00 and \$5.00 per 15. \$15.00 and \$20.00 per 100. Fine cocks and cockerels for sale cheap.

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Eggs From Prize Winning Cocks and Record-Laying Hens

Have won twenty-one ribbons from twenty-five entries. Write for mating list.

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DO YOU WANT THE BEST?

Then buy your stock and eggs from Sandy Run Poultry Yards, breeders of PARTRIDGE, WHITE and COLUMBIAN WYANDOTTES, BLACK MINORCAS and BROWN LEGHORNS. We have won more prizes at the leading shows the past season than all competitors combined. At three shows, won special for best cock in show, all varieties competing. At Asheville, N. C., won special for best cock and cockerel in show; at Henrietta, N. C., \$50.00 cup for best ten birds in show; at Charlotte, N. C., in the hottest class of birds ever gotten together in this section, won special for best ten birds in show; also for best twelve birds; also for best twenty-five birds; also for best display; also for best cock, hen, cockerel and pullet; this in competition with all varieties and against the classiest birds in the country. This stamps our birds as best in the South. Eggs from these winners, \$2.00 to \$5.00 per 15.

SANDY RUN POULTRY YARDS, A. S. HARRILL, Manager, Ellenboro, North Carolina.

S. C. White Leghorns--White Indian Runner Ducks English Penciled and American Fawn and White Runners

WHITE EGG STRAINS

1,000 breeders. Exhibition stock. Day-old chicks and ducklings. We make a specialty of eight weeks' old ducks—birds out of danger and practically grown. We are contracting rapidly and orders should be sent in early. Safe delivery on everything guaranteed. Write for catalogue.

ALABAMA LEGHORN FARMS CO. :-: Box E :-: MULGA, ALABAMA

Johnson's Black Langshans

My matings for 1913 are the finest in the South. My pens contain winners at America's best shows, including Madison Square Garden, Grand Central Palace, Chicago, Indianapolis, Baltimore, Atlanta, and other leading Southern shows. My 1913 mating list is ready and will be mailed on request.

R. B. JOHNSON :-: P. O. Box 138 :-: SPARTANBURG, S. C.

as an ounce per bird per day, irrespective of season, may be fed in safety and with good results.

After one commences feeding it, it should be fed with a certain degree of regularity to give best results, until its feeding is stopped entirely. Some poultrymen advocate giving this cut green bone pure, letting it take the place of one of the regular feeds on that day, but all my experience is against this method. Instead, I prefer to make it a part of the mash, reducing a total amount of the other ingredients by just that much. This way of feeding not only insures a more even distribution of the bone amongst the flock by preventing to an extent at least, the very greedy

ones getting twice their share, but involves less putting labor, too. It gives me most satisfactory results fed in this way, in either wet or dry mash. A good bone cutting machine is not just "another expense," as so many farmer-poultrymen view it, but it is a dividend returning investment—just as is a cream separator or a silo to dairymen. In buying a bone cutter, get one large enough to do the work easily—better larger than necessary than too small.

A general farmer of my acquaintance, who has always kept considerable poultry, stoutly maintained for years that "he could not afford to buy such specialty machines," but a couple of years ago his son won a green bone

cutter in a Thanksgiving guessing contest conducted by a local "Farmers' Supplies" dealer. So now having it, they put it to use, and that same farmer swears by the machine today as one of the most useful implements on his farm.

"I thought," he said last winter at a farmers' institute, "that just a 50-acre general farmer like myself could not afford to buy such special machines as a bone cutter, but since we've had it I learned that the real truth is, we couldn't afford not to have it. Ours didn't happen to cost us anything; but even if it had, it would already have paid for itself a couple of times over, in the increased returns from our poultry because of it."

The bones should be fresh, and before being cut should be cleared of all putrid meat. Do not make the mistake of considering it a complete feed. It is not—not even for egg production, notwithstanding the fact that it contains all the elements of the egg in nearly like proportion. It does not take the place of sound grain, bran, green food nor any of the various other food, not animal foods, that might be enumerated. Above all, it does not take the place of grit, as some people of my acquaintance who took to using it profess to have understood that it did, before they found out otherwise from experience. But it is an easily assimilated animal food that can be supplied at a low cost, and the material for which is universally obtainable; and everywhere it can be employed by poultry raisers as the means of supplying the important animal elements in the fowls' rations.—C. W. in Pennsylvania Farmer.

THE SICILIAN BUTTERCUPS

The selection of a breed is perhaps as important a problem as can be given to the novice who has decided to join the ranks of the already great army of poultry fanciers, and for the benefit of the many who may just now be considering this question, I beg to present the claims of one of the newer candidates for popular favor, the Sicilian Buttercup.

Most people who embark in the "chicken business" at all, have two general purposes in view, viz., pleasure and profit, and my observation is that he who does not find pleasure in it will seldom see any profit; and I am just as certain that he who does not succeed in deriving a satisfactory profit, will not find a very lasting pleasure; so in most instances it requires this double incentive to hold one very long in the ranks. But I think that far more are lured into the game through the hope of pecuniary reward than go into it for their health or pleasure.

Granted that the real legitimate aim in keeping poultry usually is, or at least should be, the production of eggs for market as a staple article of food, and that most breeds are judged, or at least should be, by their ability to make good on this count, does it necessarily follow that this is the most pleasurable and profitable line to pursue? I think not, for I can point to breeders by the score who are taking in dollars through the production of

eggs for hatching and stock for breeding purposes against dimes, should they only receive market prices for the same products.

So the question comes up: "How can I get in position to command and receive fancy prices?" On the old and well known breeds certainly not "everybody's doing it," but only the few old veterans who have gained a national reputation on their specialty, through long years of extensive and costly advertising and showing. You may now get and breed just as good stock of Plymouth Rocks, Wyandottes or R. I. Reds as can be found, and gain your share of the blue ribbons at your poultry show, but when your neighbors want some new blood you must sell your best cockerels for a dollar each or kill them, for if they decide to pay anything extra they are sure to send their money away to some old timer in that line.

This explains why it is best, in fact imperatively necessary to take up something new in which your claim for public patronage is equal to others in order that you may realize "value received" for your product. With these preliminary remarks I desire to present the claims of the Sicilian Buttercups.

The fact that in no other possible manner can so quick and large profits be made in poultry culture as by taking up some promising new breed which is just coming into popularity, and getting a start with some of the best stock a little in advance of the public demand which is sure to follow, leads many an alert fancier to study carefully the new candidates which are continually coming up for public approval. And therefore I think that no excuse is needed for presenting the claims of the modest little Buttercup.

Although in one sense Buttercups are not a new variety, having been bred in this country for some fifty years, they are new to most poultrymen, little having been said about them in the poultry press, except vague rumors about their wonderful egg-laying qualities. But it is safe to say that when they were finally brought to public notice, no other breed ever introduced in this country gave such universal and unconditional satisfaction and gained friends with every one who made their acquaintance, to the extent that the Buttercups have done and are still doing.

I will now briefly state the reasons for the faith that is in me for believing that they will for a long time continue to gain and hold popular favor:

1. They have an individuality of their own. They are unique, distinctive and beautiful, as well as novel and useful. The formation of the Buttercup comb being entirely different from any other breed or variety, places them in a class by themselves.

2. In type and purpose they are distinctively an egg-laying breed, it being the universal and unanimous testimony of all who are acquainted with them that they will produce more large, white eggs in exchange for a less quantity of food than any other known breed or variety.

3. No other egg-laying breed are so gentle and domestic in their disposition, being entirely free from the

nervous, wild nature, characteristic of the Leghorn class.

As above stated, the Buttercups are not a new variety of mongrel origin, made up by simply crossing other old breeds, but have been bred in this country for many years and have held their own solely on account of actual utility merit; but not being in the hands of fanciers and having no Standard, different breeders have followed their own individual fancies in regard to coloring, so there is quite a variation in the different stocks, but in March last, the American Buttercup Club was formed, and a Club Standard formulated by a committee of the oldest and best posted breeders, so that we now have an ideal to work to, and this is now leading fanciers to take them up so extensively that the Buttercup Club already has about 200 active members, in fact a more enthusiastic and optimistic set never before got together in the interest of any new breed.

By the accepted Standard, the plumage of the stock of the cock bird will be dark red with black tail feathers and wing flights; shanks dark willowy green, and with comb cup-shaped with numerous points, which stand in a circle surrounding the crown, like the petals of a flower from which characteristic its name was given.

The female is described as having neck hackle of golden buff; back lighter buff, mottled with black, distinct spangles being preferred to clouded shading, lacing, or mixed colors; breast lighter shade of buff, plain color although some of the handsomest stock in this country has black spangles running well into the breast. Ear lobes should be mixed red and white in color.

Good Buttercup stock is still extremely scarce and no doubt all who breed them will have lively sales for years to come. In fact just now the words "Buttercup," and "Opportunity," seem to be quite synonymous.—Isaac P. Tillinghast, in American Poultry Journal.

POTATOES IN THE POULTRY YARD.

Several years ago I thought of utilizing the poultry lot for something else, as well as poultry. I had it planted in Irish potatoes, while my neighbors looked on and smiled. I let the chickens run out for a few days after they were first planted, until the new plowed ground did not attract them. There was nothing outside then that they could injure. It worked like a charm. The little biddies seemed to enjoy foraging under the vines later. We had our patch outside as usual, but it and my neighbor's potatoes all became infested with bugs, some of the tops literally eaten to stems, while not a bug was to be seen in my poultry lot, and then I smiled. We have planted it in potatoes several times since. We suppose the chickens picked off the eggs, for they do not seem to relish the bugs.—Mrs. E. N. D., in the Progressive Farmer, Raleigh, N. C.

SHOW DATES.

National Conservation Exposition, Knoxville, Tenn., Oct. 6-11, 1913.
Atlanta, Ga., Dec. 1-6, 1913.

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AN ACRE OR TWO.

Most every one yearns to own some LAND
If only an acre or two,
Whether rich loam or but shore sand
And only an acre or two.
"Breathes there a man whose soul so dead
Who never to himself has said,
This is my own"—I no one dread
On my acre or two.

No boat to catch and no train to meet
From your acre or two.
No boss to fear and no clock to beat
On your acre or two.
But a cow to milk and a horse to feed,
Flowers to water and garden to weed,
Oh there's no great danger of running to seed
On an acre or two.

You will need another sort of PEN
On your acre or two.
Discover a rooster is not a hen
For laying an egg or two.
Shorten the legs of your old high stool
Learn that a horse can be a mule
And you can be several kinds of a fool
On your acre or two.

Your chickens may suffer with the roup
The starting year or two,
Till you learn how not to keep their coop
On your acre or two.
But what if your hens refuse to lay
"Tomorrow will be another day,"
You can eat and sleep and still be gay
On your acre or two.

"Man wants but little here below"
On an acre or two,
"Nor wants that little long," you know,
Only a year or two.
"A little laughter, perhaps some tears"
A mock at age and a jeer at years,
You can grow gracefully old and forget your
fears
On your acre or two.

Perhaps in the city's crowded mart
The last year or two,
Wife and you have been drifting apart
And need that acre or two
To draw each other again in the thrall
Of the Love that lists only for "the call
Of the wild," to be again all in all
On that acre or two.

"Back to the soil" has been your cry
For more than a year or two.
Make it something more than a sigh
And buy your acre or two.
Sure, "nothing venture, nothing won,"
Just out in the open, will be some fun
Even if you fail to make much "mum"
On your acre or two.

"Tis not all pleasure nor yet all peace
On an acre or two.
But most of your troubles will find release
On an acre or two.
So store your ledger in the vault,
On taking dictation call a halt
And try if you are worth your salt
On an acre or two.

—J. H. Petherbridge.

POULTRY AT THE PANAMA-PACIFIC EXPOSITION.

Throughout the United States, according to letters being received, poultrymen are interesting themselves in the matter of securing recognition from their State Legislatures along with the other industries that will be represented at San Francisco in 1915.

In most of the States bills have been introduced providing for buildings and a display of resources. It is highly important that the live stock and poultry interests should urge the inclusion of money to be used in paying premiums and shipping expenses for exhibits in the Live Stock Department of the Panama-Pacific International Exposition. Animals and poultry reproduce themselves and, differing from other exhibits, have to be fed and cared for—in addition there is the risk of life.

A committee representing the California Federation of Poultry Clubs called at the office of the Live Stock Department of the Panama-Pacific In-

ternational Exposition and conveyed the welcome assurance that they would consider themselves as the host of the poultry world that will assemble at San Francisco in 1915. They make the statement that they will urge upon the specialty clubs liberal supplemental premiums and they will not be contented with less than twelve thousand birds at the San Francisco show in 1915. They will also provide facilities for conditioning exhibits from distant points. With the California branch of the A. P. A. and the California Federation of Poultry Clubs working in harmony for the good cause there will be an international show at San Francisco in 1915 that will be the biggest and best ever held in the world.—D. O. Lively, Chief of the Department of Live Stock.

PSYCHOLOGY AND CHICKENS.

As the automobile sped toward Cape May a little group of Tuckahoe chickens regarded it from the middle of the road. The chauffeur, however, kept straight on.

"There's no use slacking up," he said. "Jersey chickens know their business. Look at that."

The chickens, even as he spoke, fled with loud, excited squawks to the shelter of the grassy roadside.

"It's an incredible but true thing," continued the chauffeur, "that the chickens of different States act differently in the presence of a motor car. New Jersey chickens always do as those Tuckahoe birds did—keeping their heads, they flee to the shelter of the footpath and are safe."

"But Pennsylvania chickens in running away from a car run straight down the middle of the road. They keep directly in your path. There's nothing to do but stop. Otherwise you'll kill them."

"New England chickens run around and around in a circle, but in the end this circle breaks up, and the birds dart left and right to shelter. Thus, if you slow down in New England, the chickens get off with their lives."

"Southern chickens—of course, this applies to the out-of-the-way districts—are hypnotized by an automobile. They stand straight in its path, gazing at it with their tiny, bright, clear eyes. Sometimes, a loud blast of the horn brings them to themselves and they scoot. Sometimes, again, they won't scoot till you stop dead still."

"There's work for a psychologist here—the psychological effect of the automobile on the chickens of different States. Not being a psychologist, I can't account for it myself. I am a chauffeur and deal exclusively in facts."—American Poultry Advocate.

Nothing less than a 12,000 bird show at San Francisco in 1915 will meet with the expectations of the live stock department and the leaders in poultry husbandry in this country. A futurity, a national laying contest that will reach its termination at San Francisco, and a truly international show are among the features that will attract attention. Extensive plans are being made by fanciers all over the world to be represented.

Single Comb WHITE LEGHORNS Exclusively

"THAT'S MY BUSINESS"

The finest laying strain on the South Atlantic Coast. I guarantee pure white plumage, good head points and low, full tails, and full compliance with Standard requirements. I have been perfecting this heavy laying strain for eight years.

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March 24th, 1913.

Industrious Hen:

Dear Sirs: Inclosed find 90 cents for my ad. for the month of April. I have made several sales through your paper. Thanking you for past favors, I remain

Yours truly,
A. W. KINNEY,

R. D. No. 2, Washington, N. J.

LAY FAMILY—S. C. W. Leghorn eggs from select, well mated, Chalk White stock, \$2.00 per 15; \$3.75 per 30. Medium stock, \$1.00 per 15; \$5.00 per 100. Stock for sale. Write for prices. T. J. Baugh, Hopkinsville, Ky. 107

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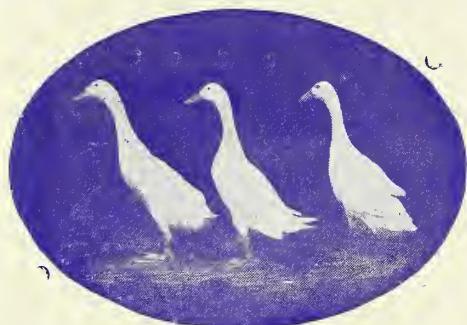
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